

AD A072034

USAFETAC/DS-79/023

DATA PROCESSING BRANCH  
USAFETAC  
Air Weather Service ( MAC )

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

FORT RILEY KANSAS/MARSHALL AAF  
N 39 03 W 096 46 FLD ELEV: 1065 FT. KFRI

WRAN #13917  
WMO #72455

FOR FROM HOURLY OBS: AUG 38-JAN 46, JUL 46-MAY 50, FEB 56-DEC 72  
FOR FROM DAILY OBS: MAR 39-JAN 46, JUL 46-MAY 50, FEB 56-DEC 72

MAR 12 1975

FEDERAL BUILDING  
ASHEVILLE, N. C.

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FOR THE COMMANDER



WALTER S. BURGMANN  
Scientific & Technical  
Information Officer

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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
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19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperature</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperature	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative humidity	*Climatological data	(over)
*RUSSWO	Daily temperature	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Fort Riley, Junction City, Kansas It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over))																	

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19. Percentge frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables

\* Kansas

\* Fort Riley KS

20. and dew-point temperatures and relative humidity); and (F) Pressure  
Summary (means, standard, deviations, and observation counts of  
station pressure and sea-level pressure). Data in this report are  
presented in tabular form, in most cases in percentage frequency of  
occurrence or cumulative percentage frequency of occurrence tables.

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THE EXTREME VALUES COULD CONTAIN SUSPECT OR QUESTIONABLE DATA. SUCH CASES USUALLY APPEAR IN THE TABULATIONS AS A PERCENTAGE FREQUENCY OF ".0", WHICH USUALLY INDICATES ONLY ONE OCCURRENCE. THESE MAY OR MAY NOT BE COMPLETELY VALID, BUT THE USER SHOULD NOT DISREGARD THEM ENTIRELY. OBVIOUS ERRORS OR IMPOSSIBLE CONDITIONS HAVE BEEN LINED THROUGH IN BLACK INK.

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

### DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

#### PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

#### PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CEILING VERSUS VISIBILITY

SKYCOVER

#### PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV -  
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

#### PART F STATION PRESSURE

SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MARCH \_\_\_\_\_

APRIL \_\_\_\_\_

MAY \_\_\_\_\_

JUNE \_\_\_\_\_

JULY \_\_\_\_\_

AUGUST \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

OCTOBER \_\_\_\_\_

NOVEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

STATION NO ON SUMMARY		STATION NAME		LATITUDE		LONGITUDE		STATION ELEV. (FT)		CALL SIGN		WMO NUMBER	
13947		FORT RILEY KANSAS/MARSHALL AAF		N 39 03		W 096 46		1072		KFRJ		72455	
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY				
			FROM	TO			STATION (FT)	TYPE BAROMETER					
1	Marshall Fld, Ft Riley Kansas	AAF	Aug 38	Mar 39	N 39 04	W 096 45	1062	1065	12				
2	Same	Same	Apr 39	Jan 46	Same	Same	Same	Same	24				
3	Same	Same	Jul 46	May 48	Same	Same	Same	Same	24				
4	Marshall AFB, Ft Riley Kansas	AFB	Jun 48	May 50	N 39 03	W 096 46	Same	Same	24				
5	Marshall AAF, Ft Riley Kansas	AAF	Feb 56	Jun 56	Same	Same	1072	1066	10 to 18				
6	Same	Same	Jul 56	Jul 71	Same	Same	Same	1064	24				
7	Same	Same	Aug 71	Dec 72	Same	Same	Same	Same	9 to 17				

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Aug 38 to Dec 41	Not Available.	Anemometer	None	N/A	
2	Jan 42 to Dec 48	Not Available.	Selsyn	ML-144	N/A	
3	Jan 49 to May 50	Not Available	Same	Same	N/A	
4	Feb 56 to Jan 58	Located on top of Base Operations Bldg.	AN/GMQ-1	None	50 Ft	
5	Feb 58 to Jan 61	Same	AN/GMQ-11	RO-2	51.5 Ft	
6	Feb 61 to Feb 64	Located 500 ft E of centerline off N end of Rwy 18/36.	Same	Same	13 Ft	



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A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

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USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

13947 FORT RILEY KANSAS/MARSHALL AAF 38-50,56-72 ALL  
STATION NAME YEARS MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	Prec					Vis					TOTAL NO. OF OBS.
			RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	
JAN	ALL	.1	3.1	.9	6.4	.0	10.3	11.7	2.6	.9	.1	14.6	19315
FEB		.1	3.6	1.1	6.7	.0	11.2	11.7	2.0	.6	.2	14.2	17389
MAR		.4	5.2	.3	5.4	.0	10.6	8.3	2.4	.7	1.0	12.3	19214
APR		1.7	8.1	.0	.0	.0	6.6	6.4	2.0		.4	8.7	18796
MAY		2.6	7.1			.7	7.1	6.0	.8		.3	6.9	19092
JUN		4.2	7.1			.0	7.1	4.2	.9		.1	5.1	17444
JUL		3.2	4.7			.0	4.7	2.1	1.2		.0	3.2	18700
AUG		2.6	4.6			.0	4.6	4.1	1.8		.0	5.8	19297
SEP		2.3	6.3				6.3	5.9	1.7		.3	7.7	19152
OCT		1.0	5.7		.2	.0	5.9	6.9	1.7		.2	8.7	19767
NOV		.2	5.1	.1	1.9	.0	6.9	7.8	2.2	.0	.1	10.0	19292
DEC		.1	3.8	.8	5.3		9.7	12.0	2.4	.3	.1	14.1	19714
TOTALS		1.5	5.4	.3	2.2	.0	7.8	7.3	1.8	.2	.2	9.3	227172



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## WEATHER CONDITIONS

13947

FORT RILEY KANSAS/MARSHALL AAF

39-50, 57-72

JAN

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS. WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JAN	00-02	.0	3.4	1.1	6.5		10.7	11.3	1.0	1.0		12.6	2309
	03-05	.0	3.1	1.2	6.6		10.5	12.2	1.0	.9		13.4	2315
	06-08	.1	3.8	1.0	6.8		11.4	15.5	3.7	1.1		19.4	2486
	09-11		3.1	1.2	8.1		12.1	15.9	5.1	1.0		21.5	2511
	12-14	.1	2.7	.4	7.2	.0	10.2	10.5	3.3	1.1	.2	14.8	2516
	15-17	.1	2.7	.4	5.6	.1	8.7	9.2	2.7	.8	.3	12.7	2510
	18-20	.1	2.9	.9	5.2		8.9	9.1	2.2	.7	.1	11.5	2355
	21-23		3.4	1.0	5.5		9.6	9.6	1.4	.4		10.9	2313
TOTALS		.1	3.1	.9	6.4	.0	10.3	11.7	2.6	.9	.1	14.6	19315

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USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

13947

FORT RILEY KANSAS/MARSHALL AAF

39-45, 47-50, 36-72

FEB

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02	.2	3.3	1.2	6.0		10.4	10.4	.8	.4		11.4	2021
	03-05	.0	3.8	1.2	6.2		10.9	12.6	.8	.6		13.7	2037
	06-08	.1	3.5	1.2	6.6	.0	11.3	17.7	2.8	.6	.1	20.5	2284
	09-11	.1	3.5	1.0	8.3		12.5	16.1	3.6	.5	.5	20.6	2281
	12-14		2.8	.8	7.1	.0	10.5	10.1	2.0	.8	.6	13.4	2279
	15-17	.0	3.7	.9	7.1		11.4	8.2	2.4	.8	.3	11.6	2275
	18-20	.1	4.1	1.2	5.8		10.8	9.2	2.6	.6	.0	12.4	2118
	21-23	.3	3.7	1.4	6.7	.0	11.5	8.9	.7	.6	.1	10.2	2094
TOTALS		.1	3.6	1.1	6.7	.0	11.2	11.7	2.0	.6	.2	14.2	17389

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45,47-50,56-72 MAR  
STATION STATION NAME YEARS MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02	.6	4.9	.3	5.6	.0	10.7	7.4	.4	.8	.5	8.9	2285
	03-05	.5	4.9	.6	4.8		10.0	9.7	.3	.5	.4	10.8	2304
	06-08	.2	5.1	.6	5.7		11.3	13.7	3.1	.7	.4	17.8	2510
	09-11	.2	5.0	.2	6.6		11.7	11.0	4.5	.5	1.2	16.9	2507
	12-14	.3	4.4	.2	4.7		9.0	6.1	3.8	.8	1.9	12.6	2497
	15-17	.2	5.1	.1	5.0		9.8	6.1	3.2	.9	2.2	12.4	2489
	18-20	.6	5.9	.1	5.0		10.9	6.3	2.8	.6	1.2	10.8	2322
	21-23	.9	6.1	.4	5.6	.0	11.7	6.1	1.0	.6	.4	8.1	2300
TOTALS		.4	5.2	.3	5.4	.0	10.6	8.3	2.4	.7	1.0	12.3	19214

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45,47-50,56-72 APR  
STATION STATION NAME YEARS MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02	2.8	9.2		.7	.0	9.7	4.8	.3		.4	5.5	2242
	03-05	2.4	9.1		1.1	.0	9.9	7.9	.5		.2	8.6	2246
	06-08	1.2	7.5		.6		8.0	12.5	4.0		.0	16.0	2445
	09-11	.6	7.9		.7		8.5	7.8	3.4		.4	11.5	2456
	12-14	.6	8.0		.3		8.2	4.7	2.7		.6	8.1	2447
	15-17	.8	8.1		.3	.0	8.5	4.3	2.3		.5	7.1	2397
	18-20	2.0	7.4	.0	.3	.1	7.7	4.5	2.2		.5	7.2	2289
	21-23	2.8	7.9		.5	.0	8.3	4.4	.6		.4	5.4	2274
TOTALS		1.7	8.1	.0	.6	.0	8.6	6.4	2.0		.4	8.7	18796

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## WEATHER CONDITIONS

13947

STATION

FORT RILEY KANSAS/MARSHALL AAF

STATION NAME

39-45,47-50,56-72

YEARS

MAY

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	4.1	8.7				8.7	6.2	.3		.1	6.6	2273
	03-05	2.9	8.2				8.2	11.4	.6		.1	11.9	2311
	06-08	2.3	8.3				8.3	12.4	1.5		.3	14.1	2484
	09-11	1.1	7.2				7.2	5.7	1.5		.4	7.5	2496
	12-14	1.5	5.8				5.8	4.0	.8		.4	5.1	2480
	15-17	2.3	6.1			.0	6.1	2.6	.8		.3	3.5	2430
	18-20	2.4	5.6				5.6	2.8	.6		.5	3.7	2330
	21-23	3.8	7.1				7.1	2.6	.4		.2	3.1	2288
TOTALS		2.6	7.1			.0	7.1	6.0	.8		.3	6.9	19092

DATA PROCESSING BRANCH  
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## WEATHER CONDITIONS

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 47-49, 56-72

STATION

STATION NAME

YEARS

JUN

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	7.5	9.6				9.6	3.8	.1			4.0	2138
	03-05	6.4	10.9				10.9	8.7	.7			9.2	2146
	06-08	4.0	9.7			.0	9.7	9.7	1.9			11.4	2247
	09-11	2.1	5.6				5.6	4.1	1.4			5.3	2255
	12-14	1.2	3.7			.0	3.7	1.7	1.2		.1	3.0	2239
	15-17	2.1	4.2			.0	4.2	1.7	.7		.2	2.6	2195
	18-20	4.5	5.8			.0	5.8	1.8	.7		.2	2.6	2102
	21-23	6.1	7.0				7.0	2.4	.3			2.6	2122
TOTALS		4.2	7.1			.0	7.1	4.2	.9		.1	5.1	17444

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

13947

FORT RILEY KANSAS/MARSHALL AAF

39-49,56-72

JUL

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	5.8	5.7			.0	5.7	1.0	.3			1.3	2219
	03-05	6.1	8.4				8.4	4.9	1.1			5.8	2246
	06-08	3.0	6.5				6.5	6.4	2.9			8.9	2460
	09-11	1.2	4.0				4.0	1.8	1.7		.0	3.6	2462
	12-14	.9	2.7				2.7	.8	1.2			1.9	2453
	15-17	1.8	3.1			.0	3.1	.7	.9			1.7	2412
	18-20	3.0	3.2				3.2	.4	.9			1.3	2224
	21-23	3.7	3.6				3.6	.6	.8			1.3	2224
TOTALS		3.2	4.7			.0	4.7	2.1	1.2		.0	3.2	18700

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

13947

FORT RILEY KANSAS/MARSHALL AAF

38-49,56-72

AUG

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	3.5	5.2				5.2	3.0	.7			3.7	2271
	03-05	4.0	6.7				6.7	7.1	1.3			8.4	2325
	06-08	1.9	6.4				6.4	12.2	3.1			15.0	2517
	09-11	1.1	4.4				4.4	4.2	2.7		.0	6.8	2542
	12-14	1.0	3.3				3.3	2.0	1.6			3.6	2549
	15-17	1.8	2.8				2.8	1.2	1.9		.1	3.1	2509
	18-20	3.9	4.0				4.0	1.3	1.6			3.0	2329
	21-23	3.4	4.1			.0	4.1	1.6	1.1			2.7	2255
TOTALS		2.6	4.6			.0	4.6	4.1	1.8		.0	5.8	19297



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

13947 FORT RILEY KANSAS/MARSHALL AAF 38-49,56-72 SEP  
STATION STATION NAME YEARS MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	4.4	7.6				7.6	5.1	.6			5.6	2247
	03-05	3.1	7.8				7.8	9.1	.6			9.5	2287
	06-08	1.9	7.5				7.5	14.7	3.0		.3	17.7	2476
	09-11	.8	6.0				6.0	6.8	3.4		.4	10.3	2514
	12-14	.8	5.1				5.1	2.8	2.2		.5	5.4	2520
	15-17	1.4	4.4				4.4	2.0	1.4		.8	4.2	2496
	18-20	2.7	5.8				5.8	2.9	1.3		.3	4.5	2340
	21-23	2.9	6.3				6.3	3.7	.7		.0	4.4	2272
TOTALS		2.3	6.3				6.3	5.9	1.7		.3	7.7	19152

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

13947

FORT RILEY KANSAS/MARSHALL AAF

38-49,56-72

OCT

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02	2.1	6.9		.2		7.1	6.5	.6			7.0	2322
	03-05	.9	6.3		.3		6.5	10.1	.3			10.4	2361
	06-08	.8	6.5		.2		6.6	15.0	2.9		.1	17.7	2554
	09-11	.2	6.0		.1		6.0	7.2	4.2		.3	11.6	2599
	12-14	.2	4.9		.2		5.1	4.3	2.3		.6	7.2	2588
	15-17	.5	4.7		.1		4.8	3.9	1.4		.3	5.7	2589
	18-20	1.5	4.7		.1	.0	4.9	3.5	1.4			4.7	2408
	21-23	1.7	5.9				5.9	4.5	.8			5.2	2346
TOTALS		1.0	5.7		.2	.0	5.9	6.9	1.7		.2	8.7	19767

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

13947

FORT RILEY KANSAS/MARSHALL AAF

38-49,36-72

NOV

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02	.2	4.7		1.8		6.4	6.5	.0	.0	.0	6.6	2250
	03-05	.1	3.9	.2	2.1		6.1	9.3	.3	.1	.1	9.7	2258
	06-08	.1	4.8	.2	1.8	.0	6.8	13.1	3.8	.1	.1	16.6	2504
	09-11	.1	4.9	.2	2.0		7.0	9.6	5.6	.1	.2	15.3	2543
	12-14	.1	4.8		1.5		6.1	5.7	3.1	.0	.2	9.0	2544
	15-17	.2	6.4		1.9		8.1	6.4	2.7		.2	9.2	2532
	18-20	.4	6.2	.0	1.9		8.1	5.8	1.3		.0	7.2	2359
	21-23	.2	5.1		2.0		6.9	5.6	.6			6.2	2302
TOTALS		.2	5.1	.1	1.9	.0	6.9	7.8	2.2	.0	.1	10.0	19292

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

13947

STATION

FURT RILEY KANSAS/MARSHALL AAF

STATION NAME

38-49,56-72

YEARS

DEC

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02	.0	4.0	.7	5.3		9.7	10.7	1.0	.3		11.3	2298
	03-05	.2	3.7	1.0	5.9		10.4	11.5	.8	.3		12.4	2309
	06-08	.1	3.4	1.2	5.0		9.5	15.1	2.7	.2	.0	17.4	2546
	09-11	.0	3.5	1.1	5.5		9.8	15.8	4.7	.2	.2	20.0	2622
	12-14	.1	3.8	.6	5.5		9.8	11.8	3.4	.3	.3	15.1	2610
	15-17	.1	4.3	.5	4.5		9.2	10.0	3.1	.3	.2	12.7	2601
	18-20	.0	4.1	.5	4.8		9.4	10.4	2.0	.3	.0	11.9	2392
	21-23		3.5	.6	5.6		9.4	10.6	1.6	.4		11.7	2336
TOTALS		.1	3.8	.8	5.3		9.7	12.0	2.4	.3	.1	14.1	19714

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than  $5/8$  mile.

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX  
XX WEATHER CONDITIONS XX  
ATMOSPHERIC PHENOMENA

13947

FORT RILEY KANSAS/MARSHALL AAF

46-50, 50-72

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	DAILY	.6	17.8	6.3	24.2		34.1	28.5	9.1	3.7		33.3	648
FEB		2.0	22.0	5.2	24.7	.2	38.1	34.7	8.6	2.7		33.4	591
MAR		5.7	26.9	2.0	19.2	1.3	37.4	26.5	8.9	2.2	.5	31.1	650
APR		15.6	39.0		3.4	2.8	37.8	22.5	6.6		.2	24.6	617
MAY		25.0	47.9			2.9	44.8	24.6	4.3			26.3	623
JUN		32.0	43.9			2.4	42.0	18.9	5.8			21.6	588
JUL		28.0	39.7			1.0	37.1	15.0	6.1			17.4	622
AUG		18.5	30.8			.8	29.5	17.7	6.9			20.0	634
SEP		20.0	38.6			.2	35.5	25.9	7.0		.2	28.3	629
OCT		11.6	27.8		.5	.6	26.5	22.9	4.2		.2	24.0	637
NOV		3.2	24.3	1.0	8.9	.6	26.9	24.7	5.1	.2	.2	26.0	628
DEC		.9	20.8	3.3	18.7	.2	32.4	30.0	6.2	1.7	.2	32.0	646
TOTALS		13.6	31.6	1.5	8.7	1.1	35.2	24.3	6.6	.9	.1	26.9	7513

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (\*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 47	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT



4 DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

13947 FORT RILEY KANSAS/MARSHALL AAF 39-50, 56-72

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	63.2	19.0	2.2	6.2	2.4	3.7	2.0	1.0	.4					17.8	830	.88	4.67	.08
FEB	57.3	21.4	2.0	4.9	4.1	3.4	2.9	1.8						19.1	734	.94	4.28	.05
MAR	55.9	14.6	1.9	6.1	3.2	5.4	4.0	1.9	1.0					23.5	835	1.73	4.01	.04
APR	57.2	13.7	2.2	6.6	3.3	6.6	5.3	3.0	1.5	.2	.1			29.8	806	2.99	12.60	.60
MAY	51.9	17.6	1.3	6.3	2.7	5.9	6.0	4.7	2.8	.6				30.3	812	3.97	7.90	.75
JUN	52.7	11.5	2.5	5.6	2.8	9.7	5.8	6.2	5.2	.8				35.5	771	5.40	10.30	.79
JUL	63.6	9.4	2.8	4.0	2.4	4.3	4.1	3.6	3.1	.8				27.0	832	3.95	10.81	TRACE
AUG	60.2	10.7	1.9	3.8	2.6	3.9	3.4	4.3	2.8	.4				23.0	851	3.30	8.56	.00
SEP	62.3	10.9	2.2	3.5	2.5	5.4	5.5	3.0	3.4	.5				26.8	939	3.60	12.38	.04
OCT	64.4	9.4	1.8	2.8	3.2	7.2	4.2	3.6	2.0	.5				21.2	854	2.84	9.65	.14
NOV	69.7	12.4	1.4	5.4	2.6	3.7	2.2	1.7	.8	.1				17.9	837	1.36	5.78	.04
DEC	63.4	18.3	2.3	4.0	2.7	4.5	2.2	1.4	.5					17.2	853	1.09	2.90	TRACE
ANNUAL	61.0	14.2	2.0	4.9	3.1	4.6	4.0	3.2	3.0	.3	.0			24.1	9857	2.11		

DATA PROCESSING BRANCH  
USAF/ETAC/DL A  
AIR WEATHER SERVICE/HAC

# EXTREME VALUES PRECIPITATION

(FROM DAILY OBSERVATIONS)

139A-7 STATION FORT RILEY KANSAS/MARSHALL AAF 37-50, 56-72 YEARS

## 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
37			.40	.44	1.59	1.45*	.27	.97	.25	.84*	1.23	.23	
40	.75	.51*	.18	.40*	.67	.43*	TRACE	.94	1.46	.53	1.25*	TRACE	1.46
41	.36	.29	1.00	.47	1.68*	1.22	.84	.97	1.85	3.50	.16	.92	3.50
42	.25	.30	.97	.97*	4.83	1.67	.50	1.10	3.44	1.12	.21	.80	* 4.83
43	.70	.96	.29	1.45	.60	3.86	1.80	.78	1.25	.97	.11	.75	3.86
44	.14	.30	1.10	5.22	1.65	1.39	2.61	4.76	2.16	.58	.58	1.13	5.22
45	.26	.63	.49	2.53	1.05	2.74	4.15	2.85	2.01	.27	.07	.35	4.15
46	.43						.68	1.63	1.55	1.70	1.00	.62	
47	.90	.14	1.38*	.85*	1.00*	.51*	.31*	.50	.02	.73	.47	1.54	1.54
48	.15	.86	.81	.86	.77	2.35	3.10	.70	.37	.96	.79	.15	3.10
49	1.04	.64	1.33	1.32	1.42	1.52	.81	1.50	.78	.64	.24	.56	1.52
50	.14	.36	.47	.60*	.42								
56							.03	1.16	.57	.71	.65	.47	
57	.10	.22	.97	1.15	1.94	1.44	1.97	1.29	2.12	2.01	.85	.33	2.12
58	.55	.87	.53	.70	1.03	2.54	2.12	2.09	1.53	1.49	.18	.70	2.54
59	.27	.41	.73	.46	3.15	1.28	2.83	2.19	1.05	1.72	.29	.40	3.15
60	1.06	.64	.91	.64	.98	1.08	1.22	2.06	1.98	1.20	.03	.70	2.06
61	.08	.56	.98	1.13	2.25	1.19	1.52	.50	3.07	2.68	1.24	.33	3.07
62	.30	.23	1.70	.34	3.90	1.12	.95	2.10	1.72	.94	.62	.24	3.90
63	.21	.05	1.26	.55	.55	4.23	.86	.99	1.72	.63	.60	.18	4.23
64	.28	.42	1.83	1.53	1.06	1.16	2.82	1.07	.41	.89	1.86	.75	2.82
65	1.04	.77	.50	.64	1.02	2.54	2.06	1.29	3.41	1.41	.16	1.37	3.41
66	.44	.42	.06	1.88	.53	.36	1.15	1.35	1.18	.56	.04	.80	1.88
67	.15	.06	1.18	1.09	1.16	3.70	1.21	.61	4.54	1.72	.29	.40	4.54
68	.15	.10	.04	.99	.99	.71	1.73	2.63	1.32	2.99	1.88	1.22	2.99
69	.19	.35	1.07	2.48	2.45	2.24	1.57	1.88	1.15	1.02	.09	.42	2.48
70	.40	.33	.46	1.42	2.77	1.71	1.32	1.20	1.34	1.19	.20	.09	2.77
71	.46	.79	.26	.78	2.76	1.94*	2.53	.00*	.27*	2.08*	3.71*	.12	* 3.71
72	* .12*	.08	.68	2.76*	.75	2.48*	2.24	1.35*	.92*	.46*	1.21*	.38	2.76
MEAN	.408	.436	.799	1.248	1.615	1.802	1.518	1.442	1.973	1.253	.713	.554	1.126
S. D.	.316	.271	.475	1.035	1.096	1.026	1.022	.927	1.101	.876	.794	.391	1.046
TOTAL OBS.	836	734	835	808	815	771	832	851	835	854	837	553	9859

NOTE \* (BASED ON < FULL MONTHS)

DATA PROCESSING BRANCH  
USAF/ETAC/OL A  
AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

19947 STATION E007 RILEY KANSAS/MARSHALL AAF 39-50, 96-72 YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
30			1.10	1.70	3.40	5.40*	.57	4.50	.30	1.17*	1.23	.07	
31	1.10	1.25*	.40	1.32*	1.80	.75*	TRACED	3.30	1.27	1.11	2.99*	TRACED	*10.60
41	1.07	.50	1.00	2.10	5.04*	2.65	1.05	4.10	5.50	9.65	.31	1.41	*36.50
42	.23	.85	1.10	2.91*	7.77	0.40	1.15	3.00	8.95	1.77	.45	1.40	*30.80
43	1.20	1.00	.57	2.30	2.90	4.73	4.70	1.00	4.00	2.10	.10	1.00	32.10
44	.30	.71	4.01	12.60	2.04	5.10	4.70	0.50	2.00	1.00	2.30	2.90	47.80
45	.04	1.20	1.27	0.10	4.30	7.10	7.00	3.70	5.10	.41	.09	.57	38.40
46	1.00					1.20	3.90	3.91	3.00	3.00	1.60	.00	
47	.90	.21	1.00*	1.23*	1.74*	.91*	.35*	.70	.04	1.40	.70	2.35	*12.50
48	.23	2.10	2.50	2.30	1.90	10.30	9.70	1.51	.05	1.70	1.60	.45	35.60
49	4.07	.91	2.80	2.70	4.00	4.20	1.31	3.20	1.90	1.20	.20	1.07	28.60
50	.21	.70	1.00	1.00*	.70								
55						.03	3.00	.77	1.80	1.20	.50		
57	.21	.20	2.70	3.50	6.90	5.10	5.00	2.10	3.70	3.50	1.90	.00	36.00
58	1.07	1.50	2.00	1.20	2.50	0.40	10.01	4.20	5.50	1.50	.40	1.00	38.50
59	.00	.40	1.80	1.50	7.90	3.00	6.40	4.50	3.50	5.20	.40	.00	36.01
60	2.10	1.90	2.30	1.70	2.40	5.20	3.60	4.00	2.70	3.00	.00	1.50	31.50
61	.00	1.10	2.70	3.30	7.90	5.00	3.70	1.10	6.70	6.00	2.10	.70	41.60
62	.90	1.00	2.20	.00	6.50	4.00	2.40	5.20	7.00	2.50	1.50	.40	34.00
63	.00	.00	1.70	1.10	1.00	6.50	2.00	1.30	2.50	2.20	1.10	.30	21.80
64	.04	.71	2.90	5.00	2.00	5.20	8.30	4.20	.70	.10	3.50	1.20	36.10
65	1.90	2.20	1.00	1.50	3.00	10.21	3.60	2.60	7.10	3.90	.10	2.40	39.81
66	.50	.80	.17	2.40	.70	.80	1.80	4.30	1.80	1.00	.00	.70	15.00
67	.20	.11	2.30	2.70	3.60	9.80	5.01	1.90	12.30	3.20	.40	1.40	43.51
68	.20	.20	.00	3.50	3.50	2.40	3.41	5.40	1.70	4.30	2.70	1.01	29.70
69	.70	.90	2.30	4.30	5.90	6.70	5.70	2.10	2.30	5.10	.20	1.30	38.00
70	.40	.00	1.10	3.41	6.20	6.20	1.70	2.10	5.90	3.51	.01	.12	31.90
71	.50	2.70	.50	1.50	5.60	6.60*	6.80	.00*	.50*	5.00*	5.70*	.40	*35.61
72	*.27*	.10	1.00	4.70*	3.10	2.00*	0.40	3.30*	1.70*	1.60*	3.01*	.70	*30.21
MEAN	.800	.930	1.720	2.980	3.970	5.390	3.960	3.300	3.600	2.840	1.301	1.780	32.000
S. D.	.920	.650	.930	2.360	2.180	2.760	2.990	1.760	2.920	2.050	1.190	.710	8.560
TOTAL OBS.	830	730	840	800	810	770	830	850	830	850	930	850	9850

NOTE \* (BASED ON < FULL MONTHS)

4 DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

13947 FORT RILEY KANSAS/MARSHALL AFB 39-80, 56-77  
STATION STATION NAME YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	74.3	12.5	3.7	3.9	.8	.9	.3	.4	.2					10.2	650	4.1	9.9	.0
FEB	72.3	17.9	2.8	4.4	1.1	.5	.4	.2	.4					9.8	504	3.0	18.1	TRACE
MAR	78.7	12.3	3.7	2.6	.8	1.1	.3	.3	.4					7.3	629	3.8	17.5	.0
APR	56.3	2.7		.5	.4		.2							.2	496	.4	4.5	.0
MAY	100.0														623	.0	.0	.0
JUN	100.0														588	.0	.0	.0
JUL	100.0														638	.0	.0	.0
AUG	100.0														634	.0	.0	.0
SEP	100.0														629	.0	.0	.0
OCT	99.5	.5													627	TRACE	TRACE	.0
NOV	83.3	7.5	1.3	1.0	.5	.3	.2							3.2	628	1.6	5.1	.0
DEC	79.3	12.1	2.2	2.9	1.1	.6	.5	.3	.3					8.4	645	4.0	11.1	TRACE
ANNUAL	91.8	5.7	1.1	1.3	.4	.3	.2	.1	.1					3.4	7452	17.3		

DATA PROCESSING BRANCH  
USAF/ETAC/IL A  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

## SNOWFALL

(FROM DAILY OBSERVATIONS)

12947 FORT RILEY KANSAS/MARSHALL AAF 39-90, 56-72

STATION

STATION NAME

YEARS

### 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
33													
40													
41													
42													
43													
44													
45													
46	1.2						.0	.0	.0	.0	.0	.2	
47	0.0	1.4	2.9*	.0*	.0*	.0*	.0*	.0	.0	.0	1.1	7.0	9.9
48	3.3	1.0	5.2	.0	.0	.0	.0	.0	.0	.0	.6	2.0	3.2
49	2.6	1.7	1.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	4.6
50	1.0	TRACE	4.4	TRACE*	.0	.0	.0	.0	.0	.0	.0	.0	
56					*	.0*	.0*	.0	.0	.0	.6	3.1	
57	.9	1.4	3.4	2.1	.0	.0	.0	.0	.0	TRACE	TRACE	.1	3.4
58	2.8	1.1	1.5	.0	.0	.0	.0	.0	.0	.0	3.6	6.8	6.8
59	2.7	2.3	2.0	.0	.0	.0	.0	.0	.0	.0	2.9	.9	2.9
60	5.8	7.1	9.8	TRACE	.0	.0	.0	.0	.0	.0	.1	3.0	9.8
61	1.0	4.7	4.9	1.2	.0	.0	.0	.0	.0	.0	2.7	4.0	4.9
62	3.0	1.6	.4	.0	.0	.0	.0	.0	.0	.0	TRACE	1.7	3.0
63	3.0	TRACE	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.3	3.0
64	.9	1.5	2.8	.0	.0	.0	.0	.0	.0	.0	1.0	4.9	4.9
65	5.0	6.7	1.2	.0	.0	.0	.0	.0	.0	.0	TRACE	3.8	6.7
66	.6	.3	.8	.0	.0	.0	.0	.0	.0	.0	.0	9.2	9.2
67	1.5	TRACE	.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE*	2.1	* 2.1
68	2.0	1.0	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.0
69	1.0	.3	.2	.0	.0	.0	.0	.0	.0	.0	TRACE	4.1	4.1
70	4.0	TRACE	2.5	3.5	.0	.0	.0	.0	.0	TRACE	.2	.1	4.0
71	4.6	3.1	2.6	TRACE	.0	.0	.0	.0	.0*	.0*	1.3*	3.0	4.6
72	* 1.2*	2.0	TRACE	TRACE*	.0	.0*	.0	.0*	.0*	.0*	2.1*	3.3	* 3.3
MEAN	2.81	1.91	2.30	.38	.00	.00	.00	.00	.00	TRACE	.80	3.13	4.97
S D.	2.226	2.060	2.420	.913	.000	.000	.000	.000	.000	.000	1.140	2.445	2.452
TOTAL OBS.	690	564	620	394	623	588	638	634	629	617	628	649	7452

NOTE: \* (BASED ON < FULL MONTHS)

DATA PROCESSING BRANCH  
USAF/ETAC/3L A  
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX  
**EXTREME VALUES**  
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

13947 FORT RILEY KANSAS/MARSHALL AAF  
STATION STATION NAME

19-40, 56-72  
YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
30													
40													
41													
42													
43													
44													
45													
46	1.2						.0	.0	.0	.0	.0	.4	
47	9.9	1.7	3.5*	.0*	.0*	.0*	.0*	.0	.0	.0	1.4	11.1	* 27.6
48	9.1	2.8	11.9	.0	.0	.0	.0	.0	.0	.0	.6	5.3	26.7
49	9.6	1.1	1.3	.0	.0	.0	.0	.0	.0	.0	.0	4.8	16.6
50	1.0	TRACE	6.7	TRACE*	.0								
51													
52	2.4	1.3	3.4	2.1	.0	.0*	.0	.0	.0	.0	.0	3.9	
53													
54	6.3	3.0	3.7	.0	.0	.0	.0	.0	.0	.0	3.6	9.2	26.4
55	3.7	2.7	3.0	.0	.0	.0	.0	.0	.0	.0	3.4	1.5	17.1
56	1.0	12.1	17.5	TRACE	.0	.0	.0	.0	.0	.0	.1	3.8	45.3
57	1.0	7.2	6.8	1.2	.0	.0	.0	.0	.0	.0	2.7	7.2	26.1
58	5.5	4.0	.4	.0	.0	.0	.0	.0	.0	.0	TRACE	3.9	13.4
59	6.9	TRACE	.2	.0	.0	.0	.0	.0	.0	.0	.0	4.2	11.1
60	1.7	1.7	5.9	.0	.0	.0	.0	.0	.0	.0	1.2	4.0	15.4
61	2.2	11.7	2.5	.0	.0	.0	.0	.0	.0	.0	TRACE	4.6	24.2
62	.6	.6	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	
63	1.7	TRACE	.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE*	3.0	5.8
64	3.3	4.2	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	7.5
65	1.1	.7	.2	.0	.0	.0	.0	.0	.0	.0	TRACE	10.1	12.1
66	5.2	TRACE	3.9	4.5	.0	.0	.0	.0	.0	TRACE	.3	.1	14.0
67	5.3	7.1	3.6	TRACE	.0	.0	.0	.0	.0*	.0*	1.5*	3.0	* 20.0
68	* 1.4*	3.2	TRACE	TRACE*	.0	.0*	.0	.0*	.0*	.0*	5.1*	5.5	* 15.2
69													
70													
71													
72													
MEAN	4.14	3.61	3.80	.43	.00	.00	.00	.00	.00	TRACE	.59	4.64	18.32
S.D.	2.842	4.526	4.412	1.101	.000	.000	.000	.000	.000	.000	1.475	3.407	9.373
TOTAL OBS.	650	564	620	590	622	584	638	634	629	637	626	645	7452

NOTE \* (BASED ON < FULL MONTHS)

4 DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/PAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

13947 PORT KILEY KANSAS/MARSHALL AAF 49-50, 56-72  
STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	52.9	17.3	9.6	4.9	4.3	5.9	4.1							29.8	531			
FEB	66.6	13.5	6.6	3.7	2.4	4.7	4.1	.3						19.7	763			
MAR	80.4	5.1	4.3	1.6	2.9	1.7	2.4	1.2						13.1	267			
APR	98.7	1.1	.1	.1										.2	831			
MAY	100.0														842			
JUN	100.0														801			
JUL	100.0														666			
AUG	100.0														308			
SEP	100.0														837			
OCT	99.9	.1													954			
NOV	94.2	3.5	1.7	.5	.1	.1								7.4	832			
DEC	66.6	10.0	3.1	5.2	4.9	6.4	1.6							23.2	262			
ANNUAL	88.3	4.3	2.3	1.3	1.1	1.6	.8	.1						7.6	10002			

DATA PROCESSING BRANCH  
USAF/ETAC/OL A  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

13947 FORT RILEY KANSAS/MARSHALL AAF

39-50, 56-72

STATION

STATION NAME

YEARS

## DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
35			5	0	0	0	0	0	0	0	0	0	
40			2	TRACE	0	0	0	0	0	0	2	4	9
41			9	0	0	0	0	0	0	TRACE	3	2	9
42			4	TRACE	0	0	0	0	0	0	TRACE	9	9
43		4	TRACE	7	0	0	0	0	0	0	TRACE	9	9
44		3	0	5	0	0	0	0	0	0	TRACE	5	9
45	TRACE	0	1	TRACE	0	0	0	0	0	0	1	9	9
46		1									0	TRACE	
47	10	1	3	0	0	0	0	0	0	0	1	7	10
48	5	3	9	0	0	0	0	0	0	0	TRACE	3	9
49	4	1	10	0	0	0	0	0	0	0	0	5	10
50	10	TRACE	4	TRACE*	0								
54		5*	1*	2*	0*	0*	0	0	0	0	1	3	
57	1	2	3	2	0	0	0	0	0	0	TRACE	1	2
58	6	2	2	0	0	0	0	0	0	0	4	2	6
59	5	2	2	TRACE	0	0	0	0	0	0	2	3	9
60	6	12	19	TRACE	0	0	0	0	0	0	TRACE	3	19
61	1	7	4	TRACE	0	0	0	0	0	0	TRACE	9	7
62	4	2	2	0	0	0	0	0	0	0	0	3	4
63	4	1	TRACE	0	0	0	0	0	0	0	0	2	4
64	1	1	1	0	0	0	0	0	0	0	1	5	5
65	5	7	1	0	0	0	0	0	0	0	0	2	7
66	1	0	1	0	0	0	0	0	0	0	0	10	10
67	0	0	1	0	0	0	0	0	0	0	0	3	6
68	3	2	0	0	0	0	0	0	0	0	0	TRACE	3
69	2	7	3	0	0	0	0	0	0	0	0	4	7
70	4	0	1	1	0	0	0	0	0	0	0	TRACE	4
71	5	11	3	0	0	0	0	0	0*	0*	0*	TRACE	11
72	*	1*	2	0	0*	0	0*	0	0*	0*	0*	2*	4
MEAN	4.3	3.4	3.5	.1	.0	.0	.0	.0	.0	TRACE	.0	3.9	7.5
S.D.	2.906	3.577	4.141	.416	.000	.000	.000	.000	.000	.000	1.066	7.872	3.453
TOTAL OBS.	836	763	867	831	843	801	860	868	839	854	830	862	10662

NOTE \* (BASED ON < FULL MONTHS)



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

DATA PROCESSING BRANCH  
USAF/ETAC/OL A  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

1967 FORT RILEY KANSAS/MARSHALL AAF 62-80, 58-72  
STATION STATION NAME YEARS

## DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
41													
42													
43													
44													
45													
46	SSW 37						SE 34		NE 43	SSW 47	SSW 45		
47		NNW 42	SSW 44	NNW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	
48	NW 38	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	S 67
49	SSW 38	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SW 59
50	S 42	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	
51		E 32	NNW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	
52	NW 40	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	S 69
53	SSW 40	NNW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	E 52
54	N 37	NNW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	NE 44
55	S 40	NNW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	S 44
56	S 34	NNW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	S 47
57	S 36	NNW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	S 49
58	N 40	NNW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	WSW 52
59	SSW 32	NNW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	NW 53
60	N 40	NNW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	NW 49
61	N 33	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 44	SSW 47
62	35/ 31	33/ 31	36/ 38	24/ 43	16/ 42	5/ 58	34/ 34	16/ 29	30/ 30	17/ 40	18/ 42	28/ 30	S/ 58
63	21/ 26	35/ 37	36/ 35	26/ 44	34/ 51	27/ 45	36/ 60	34/ 41	30/ 47	19/ 43	23/ 50	30/ 43	36/ 60
64	35/ 38	19/ 41	32/ 60	24/ 43	12/ 43	28/ 55	34/ 47	15/ 31	20/ 49	20/ 40	18/ 37	21/ 42	32/ 60
65	19/ 26	21/ 40	22/ 44	12/ 55	17/ 43	19/ 38	23/ 39	17/ 54	18/ 34	18/ 31	17/ 34	19/ 49	12/ 59
66													
67													
68													
69													
70													
71													
72													
MEAN	37.7	36.4	46.2	46.1	45.0	45.8	41.3	36.3	39.5	41.1	39.4	40.7	53.0
S.D.	6.587	6.696	10.168	9.021	7.944	7.152	8.131	7.203	7.827	6.222	7.982	7.125	6.802
TOTAL OBS.	553	494	583	568	349	535	568	539	505	571	564	544	6635

NOTES \* (BASED ON < FULL MONTHS)

‡ (BASED ON < FULL MONTHS AND +100 KNOTS)

USAF ETAC FORM 0-88-5 (OL)

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FLIPT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-50,56-72  
YEARS

ALL  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.7	2.6	1.7	.4	.1	.0	.0				7.5	8.9
NNE	.0	1.4	1.9	1.1	.3	.1	.0					5.6	8.4
NE	1.2	1.7	2.2	.9	.2	.0	.0	.0		.0		6.2	7.6
ENE	.4	.9	1.2	.5	.1	.0	.0		.0			3.1	7.7
E	.6	1.1	1.3	.5	.1	.0	.0	.0				3.7	7.2
ESE	.3	.7	1.0	.6	.1	.0	.0	.0				2.7	8.4
SE	.4	.9	1.8	1.2	.3	.1	.0	.0	.0			4.7	9.5
SSE	.3	.8	1.8	1.8	.7	.3	.1	.0	.0			5.7	11.6
S	.9	1.4	2.7	3.4	1.5	.7	.2	.0	.0			10.7	11.9
SSW	.8	1.6	2.3	2.4	1.3	.7	.2	.0	.0			9.3	11.9
SW	1.5	2.2	2.4	1.3	.5	.2	.1	.0	.0			6.3	8.6
WSW	.7	1.2	1.1	.4	.1	.0	.0	.0	.0			3.5	7.1
W	.6	.9	.9	.3	.1	.0	.0	.0		.0		2.8	6.9
WNW	.3	.5	.7	.4	.1	.0	.0	.0				2.1	3.4
NW	.4	.8	1.3	.8	.2	.0	.0	.0	.0			3.5	8.8
NNW	.4	.9	1.6	1.1	.3	.1	.0	.0	.0			4.3	9.4
VARBL													
CALM												16.4	
	10.6	18.8	26.6	18.4	6.1	2.3	.5	.1	.0	.0		100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 227169

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-50,57-72  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	3.3	2.9	.9	.2	.0					10.4	9.9
NNE	.8	1.5	2.0	1.4	.4	.1	.0					6.2	8.8
NE	1.1	1.8	1.9	.9	.1	.0	.0					3.8	7.3
ENE	.4	.7	.8	.4	.0	.0						2.3	7.2
E	.7	.8	.9	.2	.0							2.6	6.0
ESE	.2	.3	.5	.3	.1	.0						1.4	8.6
SE	.3	.6	.8	.7	.2	.0						2.5	9.2
SSE	.2	.5	.8	.6	.3	.1	.0	.0				2.5	11.0
S	.0	1.4	1.0	1.4	.6	.4	.1	.0				6.5	10.3
SSW	.9	2.2	2.9	2.3	1.1	.3	.1	.0				9.9	10.1
SW	2.1	3.8	4.0	1.6	.3	.1	.1	.0	.0			12.0	7.5
WSW	1.1	1.7	1.7	.5	.0	.0	.0					5.1	6.6
W	.7	1.2	1.1	.3	.0	.0						3.3	6.2
WNW	.3	.7	.6	.5	.1	.0						2.5	8.0
NW	.2	1.2	1.8	1.1	.2	.0						4.9	8.5
NNW	.4	1.1	2.3	1.8	.4	.1						6.1	9.9
VARBL													
CALM												15.3	
	11.6	21.7	27.4	16.8	4.8	1.5	.2	.1	.0			100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 19314

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.2	3.6	3.2	.8	.2	.0	.0				11.1	9.8
NNE	.9	1.6	2.2	2.0	.4	.1						7.3	9.2
NE	1.1	1.7	2.9	1.3	.2	.0						7.3	8.1
ENE	.3	.8	1.6	.6	.1	.0						3.4	8.2
E	.6	1.0	1.7	.8	.1	.0						4.3	8.4
ESE	.7	.4	.7	.4	.1	.0						2.0	9.2
SE	.2	.3	1.0	.3	.1	.0	.0	.0				2.4	9.1
SSF	.1	.3	.8	.9	.3	.0	.0					2.7	10.7
S	.6	1.0	1.5	1.6	.6	.2	.0	.0	.0			3.6	10.4
SSW	.6	1.5	2.1	1.9	.9	.3	.2	.0				7.9	11.0
SW	1.4	2.7	2.8	1.6	.3	.1	.1	.0				8.9	8.0
WSW	.8	1.9	1.5	.8	.1	.0	.3					4.0	7.1
W	.6	1.2	1.1	.5	.1							3.4	7.1
WNW	.3	.7	.9	.5	.1			.0				2.9	8.1
NW	.6	1.6	1.7	.8	.1	.0		.0				4.4	8.1
NNW	.5	1.3	2.2	2.0	.6	.2	.0	.0				6.7	10.3
VARBL													
CALM												19.7	
	10.2	19.8	28.3	19.2	5.0	1.4	.3	.1	.0			100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 17485

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

MAK  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.8	3.2	2.0	.9	.2	.0					9.7	10.0
NNE	.8	1.5	2.6	2.0	.7	.2	.0					7.9	10.1
NE	.8	1.5	3.0	2.0	.6	.2	.0					8.0	9.7
ENE	.3	.9	1.3	1.0	.2	.1	.0					3.9	9.5
E	.4	.9	1.3	.7	.1		.0					3.4	8.2
ESE	.2	.5	.9	.6	.1	.0						2.3	9.6
SE	.3	.4	1.0	1.1	.2	.0	.0					3.1	9.9
SSE	.1	.3	.6	1.2	.6	.3	.1	.1				3.6	14.1
S	.9	.6	1.1	1.9	1.5	1.1	.4	.1				7.3	15.0
SSW	.7	1.1	1.5	1.8	1.5	1.2	.6	.1	.0			8.5	14.4
SW	1.4	1.6	1.9	1.0	.7	.3	.1	.0				7.0	9.5
WSW	.5	1.3	1.6	.5	.2	.1	.0	.0	.0			4.3	8.4
W	.5	1.0	1.1	.7	.1	.0	.0	.0	.0			3.5	8.2
WNW	.2	.6	1.3	1.1	.3	.1	.0					3.8	10.1
NW	.4	.9	2.0	1.7	.5	.1	.0					5.8	10.5
NNW	.5	1.1	2.2	1.7	.6	.2	.0					6.5	10.6
VARBL													
CALM												11.4	
	8.5	16.4	26.9	21.7	9.1	4.2	1.4	.4	.0			100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 19225

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.5	2.6	2.0	.5	.2	.0					7.5	9.8
NNE	.7	1.5	2.3	1.6	.5	.2	.0					6.8	9.7
NE	1.0	1.6	2.3	1.4	.5	.1	.0					7.0	8.9
ENE	.4	1.1	1.9	1.1	.4	.1	.0		.0			5.0	9.8
E	.6	1.1	1.7	1.2	.3	.1	.0					4.9	9.1
ESE	.2	.6	1.1	1.0	.2	.1	.0					3.2	10.0
SE	.3	.5	1.7	1.6	.6	.2	.0	.0	.0			4.9	11.3
SSE	.2	.6	1.4	1.8	1.1	.6	.2	.0				5.9	13.9
S	.4	.8	1.6	2.6	2.0	1.2	.4	.0	.0			9.0	14.8
SSW	.5	1.0	1.4	1.9	2.0	1.4	.6	.1				8.8	15.4
SW	1.0	1.3	1.4	1.3	.8	.3	.1	.0				6.2	10.2
WSW	.5	.8	.9	.7	.3	.1						3.1	9.0
W	.5	.6	1.0	.8	.3	.1						3.2	9.4
WNW	.2	.6	.9	.7	.2	.0	.0	.0				2.6	9.9
NW	.3	.7	1.5	1.5	.4	.0						4.5	10.6
NNW	.3	.9	1.9	1.5	.5	.1						5.2	10.4
VARBL													
CALM												12.2	
	7.7	15.0	25.5	22.6	10.6	4.7	1.4	.1	.0			100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 18797

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-43, 47-50, 56-72  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.6	2.3	1.1	.3	.1	.0					6.3	8.3
NNE	.7	1.3	1.7	1.1	.2	.0	.0					5.1	8.4
NE	1.2	1.6	2.3	.8	.1	.0		.0				6.1	7.3
ENE	.4	1.0	1.5	.5	.1							3.4	7.5
E	.6	1.4	1.6	.7	.1	.0	.0	.0				4.4	7.6
ESE	.3	.9	1.4	1.0	.2	.0						3.8	9.2
SE	.5	1.1	2.4	1.7	.4	.1	.0					6.0	9.6
SSE	.3	.8	2.3	2.7	1.0	.4	.1	.0				7.6	12.1
S	.7	1.2	2.8	5.0	2.3	.8	.2	.0				13.1	13.0
SSW	.8	1.2	1.8	2.3	1.4	.8	.3	.1	.0			8.7	12.9
SW	1.5	1.9	2.2	1.5	.6	.3	.1	.0				8.1	8.9
WSW	.4	.9	.9	.4	.1	.1	.0	.0				2.8	7.9
W	.5	1.0	1.1	.4	.1	.1	.0					3.1	7.7
WNW	.3	.6	.8	.4	.1	.0						2.2	8.5
NW	.3	.7	1.1	.6	.1	.0	.0		.0			2.8	8.6
NNW	.3	.8	1.5	.6	.2	.0	.0					3.7	8.9
VARBL													
CALM												12.6	
	9.8	18.1	27.7	20.9	7.3	2.8	.7	.1	.0			100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

19088



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.5	1.9	.8	.1	.0	.0	.0				5.4	7.4
NNE	.7	1.4	1.7	.6	.1	.0						4.6	7.4
NE	1.1	1.8	2.0	.6	.0							5.5	6.6
ENE	.5	1.1	1.4	.6	.0							3.6	7.4
E	.8	1.4	1.5	.6	.1	.0						4.4	7.1
ESE	.5	1.0	1.6	.7	.2	.0						4.0	8.3
SE	.6	1.6	2.6	1.7	.4	.1	.0					7.1	9.4
SSE	.5	1.4	3.2	3.7	1.2	.3	.0					10.2	11.3
S	.9	2.0	4.2	6.0	2.2	.7	.1	.0				16.3	11.9
SSW	.6	1.2	2.2	2.3	1.2	.6	.1	.0				8.3	12.0
SW	1.2	1.4	1.7	.8	.6	.1	.0					5.8	8.4
WSW	.4	.8	.6	.2	.0	.0						2.0	6.5
W	.6	.6	.7	.1	.0		.0			.0		2.0	6.1
WNW	.2	.4	.5	.1	.0							1.3	6.8
NW	.5	.6	.8	.3	.0	.0						2.2	7.0
NNW	.4	.8	1.0	.4	.1		.0		.0			2.6	7.5
VARBL													
CALM												14.7	
	10.6	18.9	27.7	19.6	6.3	1.8	.4	.0	.0	.0		100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

17441

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-49,56-72  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.5	1.3	.4	.0	.0						4.4	6.2
NNE	1.0	1.4	1.2	.4	.0							4.1	6.4
NE	1.4	2.1	2.0	.6	.0	.0						6.1	6.5
ENE	.6	1.4	1.1	.2	.0							3.3	6.2
E	1.0	2.0	1.6	.4	.0							5.1	6.3
ESE	.5	1.3	1.0	.6	.0	.0		.0				4.2	7.5
SE	.7	1.9	3.1	1.7	.2	.1						7.8	8.7
SSE	.9	1.3	3.3	2.4	.6	.2	.0					8.2	10.2
S	1.2	2.0	5.0	5.0	1.3	.3						15.4	10.2
SSW	1.0	1.7	3.2	3.0	.9	.2	.0					10.1	10.1
SW	1.3	1.6	2.1	1.3	.5	.1	.0					7.0	8.7
WSW	.5	.6	.5	.1	.0	.0						1.8	6.2
W	.5	.5	.4	.1	.0		.0					1.4	5.5
WNW	.2	.2	.2	.0	.0							.5	5.6
NW	.2	.4	.3	.1	.0	.0						1.1	6.3
NNW	.4	.6	.5	.1	.0							1.6	6.3
VARBL													
CALM												17.9	
	12.0	21.0	27.7	16.6	3.9	.9	.0	.0				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 18697

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
TIME

AUG  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.5	1.4	.6	.1	.0	.0					4.9	6.7
NNE	1.1	1.3	1.4	.4	.1		.0					4.3	6.3
NE	1.4	1.9	2.2	.7	.1							6.3	6.7
ENE	.6	1.3	1.0	.3	.0	.0						3.3	6.3
E	.9	1.8	1.8	.4	.0	.0						5.0	6.5
ESE	.5	1.2	1.6	.7	.1	.0						4.1	7.7
SE	.8	1.4	3.2	1.9	.5	.1						8.0	9.2
SSE	.4	1.3	3.2	2.9	.9	.2	.0					8.9	10.7
S	1.2	1.9	4.2	4.0	1.3	.3	.0	.0				13.8	10.7
SSW	.8	1.8	3.1	3.5	1.2	.4	.0					10.9	10.9
SW	1.2	1.5	1.7	1.2	.3	.1						6.1	8.3
WSW	.4	.7	.5	.2	.0	.0						1.9	6.3
W	.5	.6	.4	.1	.0							1.6	3.3
WNW	.2	.2	.2	.1	.0							.8	6.1
NW	.3	.5	.3	.1	.0	.0	.0					1.2	6.1
NNW	.3	.4	.5	.2	.0							1.4	6.9
VARBL													
CALM												17.4	
	11.9	19.6	26.9	18.1	4.5	1.2	.1	.0				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 19297

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49, 56-72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.8	2.4	1.2	.2	.0						6.9	7.8
NNE	.9	1.6	1.8	.9	.2	.0	.0					5.4	7.9
NE	1.5	2.0	2.2	.7	.1	.1				.0		6.6	7.0
ENE	.6	1.1	1.3	.4	.0	.0						3.5	7.1
E	.8	1.3	1.5	.3	.0							4.0	6.4
ESE	.3	.8	1.1	.5	.1	.0	.0					2.8	8.0
SE	.0	1.1	2.2	1.4	.3	.0						5.5	9.0
SSE	.3	.9	2.4	2.3	1.0	.3	.0	.0				7.3	11.7
S	1.0	1.5	3.2	5.1	2.2	1.2	.2	.0				14.5	12.7
SSW	.7	1.1	2.0	2.7	1.7	.8	.1	.0				9.1	12.7
SW	1.2	1.5	1.8	1.3	.5	.4	.0					6.8	9.5
WSW	.4	.7	.6	.2	.0	.0	.0					2.0	6.8
W	.5	.6	.4	.1	.0							1.6	5.5
WNW	.2	.3	.3	.1	.0							.9	6.7
NW	.2	.6	.7	.2	.0							1.7	7.2
NNW	.3	.6	1.0	.4	.1	.0						2.3	8.1
VARBL													
CALM												19.3	
	10.5	17.4	25.0	17.8	6.5	3.0	.4	.0		.0		100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 19152

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49, 56-72  
YEARS

GCT  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.4	2.6	1.7	.4	.1						7.6	8.6
NNE	.9	1.5	2.0	.7	.1	.0						5.1	7.4
NE	1.2	1.5	1.7	.5	.1	.0						5.0	6.7
ENE	.3	.5	.7	.3	.0							1.8	7.3
E	.5	.7	.7	.3	.0							2.2	6.6
ESE	.2	.6	.7	.4	.1							1.9	7.9
SE	.4	.7	1.4	1.2	.4	.2	.0	.0				4.2	10.7
SSE	.2	.6	1.6	1.6	.6	.3	.1	.0				5.0	12.2
S	1.1	1.3	2.9	3.9	1.8	1.1	.1	.0				12.3	12.4
SSW	.6	1.6	2.5	2.7	1.3	.7	.2	.0				9.6	11.8
SW	1.6	2.3	2.7	1.6	.9	.4	.1					9.6	9.3
WSW	1.0	1.3	1.0	.5	.1	.0						3.9	6.7
W	.7	.9	.8	.2	.1	.0						2.7	6.3
WNW	.3	.5	.7	.3	.1	.0						1.9	7.6
NW	.4	.8	1.1	.5	.1	.0						3.0	8.3
NNW	.4	1.0	1.4	.6	.1	.0						3.5	8.1
VARBL													
CALM												20.5	
	10.9	17.7	24.4	17.0	6.1	2.9	.5	.0				100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 19765

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49, 56-72  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.C.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.5	3.0	2.0	.4	.1	.0					3.0	9.2
NNE	.8	.9	1.4	1.1	.2							4.4	8.1
NE	1.0	1.3	1.3	.7	.1							4.3	7.1
ENE	.4	.5	.7	.3	.0							2.0	7.2
E	.5	.6	.5	.1	.0							1.8	6.0
ESE	.3	.4	.6	.2	.0	.0						1.6	8.0
SE	.2	.5	1.0	.6	.2	.0						2.5	9.3
SSE	.2	.6	1.1	1.1	.4	.2	.0					3.5	11.3
S	.9	1.3	2.0	2.2	1.0	.5	.1	.0				8.3	11.2
SSW	.9	2.0	2.6	2.3	1.2	.6	.3	.1	.0			10.0	11.4
SW	1.9	3.0	3.2	1.4	.5	.2	.1	.0				10.3	8.2
WSW	.9	1.6	1.5	.6	.1	.0	.0					4.7	7.0
W	.5	1.2	1.4	.3	.0	.0						3.9	6.5
WNW	.4	.9	1.1	.4	.1	.0						2.9	7.8
NW	.5	1.4	1.9	1.1	.3	.0						5.3	8.8
NNW	.5	1.0	2.4	1.9	.6	.1						6.4	10.0
VARBL													
CALM												20.1	
	11.1	18.9	25.9	16.4	5.1	1.9	.6	.1	.0			100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 19292

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49, 56-72  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.8	3.1	1.7	.5	.1	.0					8.1	9.0
NNE	.8	1.6	2.1	1.3	.2	.1						6.1	8.3
NE	1.1	1.8	2.2	.9	.2	.0						6.1	7.7
ENE	.5	.7	.9	.3	.0		.0					2.5	7.1
E	.4	.6	.9	.5	.1	.0						2.4	7.8
ESE	.3	.4	.5	.3	.1							1.6	7.6
SE	.3	.5	.8	.4	.1	.0						2.0	8.4
SSE	.2	.5	1.0	.7	.2	.2	.0					2.9	10.2
S	.8	1.4	1.7	1.5	.5	.2	.1	.0				6.4	10.2
SSW	1.0	2.3	2.3	2.0	.9	.5	.1	.0	.0			9.2	10.5
SW	2.2	3.0	3.0	1.6	.7	.2	.0	.0				11.3	7.9
WSW	1.1	2.2	1.5	.4	.1	.0						5.4	6.3
W	.9	1.3	1.3	.3	.1	.0						1.9	6.3
WNW	.4	.6	1.1	.5	.1	.0	.0					2.8	8.6
NW	.6	1.2	1.0	1.1	.3	.1	.0					5.2	9.1
NNW	.6	1.0	2.2	1.3	.2	.0	.0					5.4	9.0
VARBL													
CALM												18.8	
	12.1	21.2	26.5	14.9	4.3	1.7	.3	.1	.0			100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 19716

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

40-46, 48-50, 57-71  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.2	3.6	2.9	.8	.1						10.9	9.3
NNE	.8	1.7	2.2	1.0	.2							5.0	7.7
NE	1.0	1.3	1.7	.6	.0	.0	.0					5.0	7.2
ENE	.9	.0	.7	.3	.1							2.3	7.1
E	.6	.8	.6	.2								2.2	5.5
ESE	.1	.3	.3	.2	.0							1.0	8.2
SE	.3	.4	.4	.3	.1							1.6	7.8
SSE	.3	.4	.6	.4	.3	.3						2.5	10.8
S	.8	1.3	1.6	1.3	.4	.4	.2	.1				6.5	10.6
SSW	.7	2.4	2.3	1.4	1.0	.4	.1	.0				9.6	10.0
SW	2.6	4.4	3.6	1.3	.2	.0						12.2	6.7
WSW	1.4	1.7	.9	.3								4.3	5.6
W	.6	.7	.5	.2								2.0	5.7
WNW	.4	.8	.6	.2								1.9	6.1
NW	.5	.9	1.6	1.0	.2	.0						4.2	8.7
NNW	.7	1.0	1.6	1.3	.2							4.7	8.8
VARBL													
CALM												23.9	
	12.7	21.7	23.2	13.0	3.6	1.4	.3	.1				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 2303



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

40-46, 48-50, 57-72  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.0	3.5	2.3	.7	.2						9.8	9.3
NNE	1.1	1.6	2.0	1.3	.3	.1						6.6	8.1
NE	1.5	1.8	1.8	.6	.2	.0						5.9	6.7
ENE	.6	.6	.6	.4	.1							2.3	6.9
E	.7	.7	.8	.2								2.5	5.8
ESE	.3	.3	.4	.3								1.3	7.5
SE	.2	.2	.4	.3	.0							1.7	7.7
SSE	.2	.4	.3	.4	.4	.1						1.9	11.1
S	.7	1.6	1.7	1.3	.3	.7	.0					6.3	10.3
SSW	1.4	2.1	1.9	1.4	1.0	.4		.0				8.2	9.5
SW	2.8	4.4	3.0	1.1	.2	.0						11.4	6.3
WSW	1.0	1.6	1.5	.3								4.4	6.1
W	.9	.8	.7	.1								2.6	5.5
WNW	.2	.6	.5	.3	.0							1.7	7.7
NW	1.0	1.1	1.6	.9								4.5	7.4
NNW	.5	1.2	2.1	1.2	.5							5.4	5.3
VARBL													
CALM												23.4	
	14.1	21.9	22.9	12.4	3.7	1.6	.0	.0				100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2315

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947      FORT RILEY KANSAS/MARSHALL AAF      39-50,57-72      JAN  
STATION      STATION NAME      YEARS      MONTH  
ALL WEATHER      NORTH  
CLASS      0600-0800  
CONDITION      HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.5	3.2	2.2	.8	.2						9.9	9.3
NNE	1.1	1.9	1.6	1.7	.5	.0						6.9	8.6
NE	1.6	2.0	1.8	.9	.2							6.4	5.8
ENE	.4	.6	.6	.2	.2							2.1	7.2
E	.6	.8	1.2	.2	.0							2.9	6.6
ESE	.2	.5	.3	.1	.1							1.2	7.6
SE	.1	.4	.8	.4	.0							1.8	8.5
SSE	.1	.3	.6	.6		.1						1.6	10.5
S	1.0	1.6	1.2	1.0	.6	.2	.1	.0				5.9	9.7
SSW	.9	2.4	2.5	1.8	.6	.2	.1	.0				8.4	9.2
SW	3.0	4.9	3.3	.8	.3	.2						12.5	6.4
WSW	1.2	1.6	1.5	.2								4.4	5.6
W	.8	1.0	.6	.2	.0							2.9	5.5
WNW	.5	.7	.6	.2	.0							2.0	6.3
NW	.4	1.5	1.6	.6	.2	.1						4.4	8.1
NNW	.2	1.0	1.7	1.2	.4	.6						4.6	9.7
VARBL													
CALM												21.9	
	13.3	23.8	23.4	12.1	4.0	1.2	.2	.1				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS      2487

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13547  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-50,57-72  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.6	4.0	3.1	1.0	.2						10.5	10.4
NNE	1.2	1.1	1.9	1.7	.9	.3	.0					6.7	9.4
NE	1.1	2.3	2.3	1.2	.3							7.2	7.5
ENE	.2	.6	.6	.3								1.8	7.5
E	.0	.9	.8	.3								2.0	6.0
ESE	.3	.4	.8	.4		.1						2.0	8.8
SE	.1	.6	.8	.9	.3	.0						2.7	10.7
SSE	.0	.4	.9	.6	.2	.1	.1					2.3	11.9
S	.4	1.0	1.8	1.3	.8	.4		.0				5.8	10.9
SSW	1.1	1.7	3.1	2.8	1.3	.2	.1	.0				10.5	10.3
SW	2.0	4.3	4.8	2.0	.6	.4	.2					14.2	8.4
WSW	1.2	2.5	2.6	.5	.1							7.0	6.7
W	.6	1.4	1.3	.4								3.7	6.6
WNW	.3	.7	.8	.6	.1							2.5	8.6
NW	.2	.4	1.6	1.3	.2							4.2	9.9
NNW	.4	.8	2.1	1.8	.6	.2						5.8	10.9
VARBL													
CALM												10.6	
	10.5	21.3	30.1	19.2	5.9	1.9	.5	.1				100.2	8.1

TOTAL NUMBER OF OBSERVATIONS 2511

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-50, 57-72  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.1	2.9	3.9	1.0	.2						10.7	10.5
NNE	.4	1.4	1.7	1.6	.5	.2						3.8	9.0
NE	.7	1.9	1.7	1.1	.1							5.6	7.7
ENE	.4	.7	.7	.2								2.0	7.0
E	.4	.7	1.2	.1								2.3	6.4
ESE	.2	.3	.7	.4	.1							1.6	8.8
SE	.5	.8	.8	.8	.4	.1						3.4	9.6
SSE	.2	.3	1.0	.7	.3	.2	.1	.0				2.7	11.7
S	.6	1.0	1.7	1.9	.9	.2	.1					6.3	11.2
SSW	.3	1.7	2.6	3.7	1.8	.6	.1					10.9	12.2
SW	1.2	2.9	5.4	3.5	.9	.2	.2	.1	.0			14.4	10.0
WSW	.7	1.9	3.4	1.6	.0	.0	.1					7.7	8.4
W	.7	1.2	2.6	.7	.0	.0						5.4	7.6
WNW	.1	.8	1.2	1.0	.2	.0						3.3	9.7
NW	.2	.9	2.3	1.8	.4	.0						5.7	10.4
NNW	.2	.0	2.9	3.5	.7	.2						8.2	11.6
VARBL													
CALM												3.9	
	7.6	19.0	33.1	26.3	7.4	2.0	.3	.1	.0			100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 2516

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-50,57-72  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.1	3.8	3.5	1.0	.2	.0					11.2	10.7
NNE	.4	1.1	1.8	1.3	.5	.2						5.5	9.9
NE	.6	1.2	2.1	.9		.0						4.7	8.1
ENE	.4	1.0	1.2	.4								3.0	7.2
E	.5	.7	.2	.3								2.4	6.6
ESE	.2	.2	.6	.4	.1							1.5	9.2
SE	.4	.6	1.2	1.0	.0							3.2	9.0
SSE	.2	.5	1.4	.8	.2							3.0	9.2
S	.8	1.2	2.4	2.1	.7	.3	.1					7.7	10.4
SSW	.5	1.8	4.1	3.7	1.3	.3	.1					11.8	11.0
SW	.9	2.0	5.3	1.9	.3	.0	.1					11.2	8.6
WSW	.6	1.4	1.0	.6	.2							4.4	7.5
W	1.0	1.9	1.6	.4								4.9	6.2
WNW	.4	.8	1.8	1.2	.1	.1						4.4	9.2
NW	.5	2.0	2.3	1.8	.2	.1						8.1	8.6
NNW	.5	1.4	3.2	2.3	.4	.3						8.0	10.0
VARBL													
CALM												5.0	
	8.1	20.6	36.6	22.8	4.9	1.7	.3					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 2510

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-46, 48-50, 57-72  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.2	3.0	2.4	.8	.3						10.2	9.3
NNE	.8	1.3	2.2	1.2	.3	.1						6.0	8.7
NE	1.0	1.7	1.7	1.1	.0							5.6	7.3
ENE	.4	.8	.9	.5								2.6	7.3
E	1.2	1.0	.7	.2								3.1	4.8
ESE	.1	.3	.3	.4	.1							1.2	10.1
SE	.3	.6	1.1	1.1	.1							3.1	9.7
SSE	.2	.6	1.1	.7	.4	.3						3.2	11.3
S	1.1	2.1	1.9	1.2	.6	.2	.0					7.1	8.8
SSW	1.7	2.8	3.4	1.8	.6	.2	.0					10.6	8.4
SW	2.0	3.7	2.9	.6			.0					9.3	6.1
WSW	.9	1.8	.8	.4								3.7	3.7
W	.6	1.4	.8	.1	.0							3.0	5.6
WNW	.3	.6	.7	.2	.0							1.9	6.7
NW	.9	1.5	1.1	.6	.2							4.4	7.1
NNW	.7	1.4	2.3	1.4	.3	.0						6.2	8.8
VARBL													
CALM												18.9	
	13.8	23.6	25.1	14.1	3.6	1.1	.1					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 2354

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

40-46, 48-50, 57-72  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.7	2.7	3.0	1.0	.2						10.0	9.8
NNE	.7	1.5	2.5	1.0	.3							6.0	8.2
NE	1.3	2.1	1.5	.9	.1							5.8	6.8
ENE	.3	.9	.9	.6		.0						2.6	7.8
E	.6	1.2	.9	.1								2.9	5.9
ESE	.3	.3	.2	.1	.2							1.1	8.0
SE	.3	.7	.7	.5	.2	.0						2.6	8.9
SSE	.1	.6	.7	.7	.5	.2						2.8	11.4
S	.8	1.3	1.6	1.0	.6	.4	.1					6.0	10.3
SSW	1.0	2.0	3.0	1.0	1.3	.1		.1				9.6	9.6
SW	2.6	3.4	3.4	1.2	.2	.0						10.8	6.6
WSW	1.7	1.6	1.2	.2								4.9	5.6
W	.7	.6	.5	.1								1.9	5.3
WNW	.4	.9	.6	.1								2.0	6.0
NW	.7	.9	1.1	.4	.1	.0						3.3	7.5
NNW	.3	1.3	2.2	1.9	.3							6.0	9.5
VARBL													
CALM												21.7	
	13.1	21.7	23.9	13.6	4.8	1.0	.1	.1				100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 2313

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-71  
YEARS

FFB  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.1	3.4	2.7	.6	.0						10.0	9.0
NNE	1.0	1.5	2.2	2.1	.1	.0						7.0	8.7
NE	1.1	1.5	3.2	1.0								6.3	7.5
ENE	.5	.8	2.0	.2								3.6	7.5
E	.8	1.1	1.3	.7	.2							4.1	7.7
ESE	.3	.2	.7	.4								1.5	7.8
SE	.3	.2	.7	.3	.0							1.7	7.6
SSE	.1	.5	.4	.7	.3	.2						2.3	11.1
S	.6	1.0	.9	1.3	.6	.1	.0					4.8	9.7
SSW	.9	2.2	2.5	1.6	.6	.1	.1					8.4	9.4
SW	1.1	3.0	3.0	.8	.0	.1	.0					8.1	7.1
WSW	1.4	1.2	1.0	.1	.0		.0					3.9	5.8
W	.5	1.0	.7	.2	.0							2.6	6.6
WNW	.3	.6	.5	.2								1.7	6.9
NW	.6	1.0	1.1	.5								3.5	7.0
NNW	.7	1.5	1.4	1.1	.3	.0						5.1	8.4
VARBL													
CALM												24.9	
	11.9	19.8	24.9	14.5	3.0	.7	.3					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2021



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-72  
YEAR

FEB  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.5	3.2	2.7	.5		.0					10.0	9.0
NNE	1.1	1.5	1.8	2.0	.3							6.7	8.8
NE	1.4	1.8	3.0	1.2	.2							7.7	7.6
ENE	.4	.7	1.3	.2	.0							2.7	7.4
E	.6	.6	1.8	.7	.0							4.0	7.8
ESE	.1	.5	.8	.3	.3							2.1	10.2
SE	.1	.5	.7	.1	.2							1.7	8.4
SSE	.1	.4	.4	.4	.4							1.9	10.8
S	.9	.9	.7	1.1	.4	.1						4.2	9.1
SSW	1.0	1.7	1.9	1.3	.4	.1	.1					6.5	8.9
SW	2.1	3.3	2.8	1.2	.1	.1	.0					9.7	7.0
WSW	.8	1.5	1.1	.1		.0						3.6	5.9
W	.6	1.0	.9	.4	.1							3.0	6.8
WNW	.4	1.0	1.1	.6								3.2	7.2
NW	.6	.8	1.2	.4								3.2	7.0
NNW	.7	1.2	1.5	1.2	.1							5.2	8.3
VARBL													
CALM												24.8	
	12.2	20.3	24.7	14.1	3.4	.3	.2					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2037

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FOET RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.7	2.4	2.6	.4	.1						8.4	9.3
NNE	1.3	1.4	2.5	1.9	.4							7.4	8.8
NE	1.6	2.0	3.7	1.9	.2	.0						9.5	8.1
ENE	.4	.4	1.7	.4	.1	.0						3.0	8.3
E	.5	1.1	1.4	.6	.2							3.7	8.1
ESE	.3	.4	.7	.4		.1						1.9	9.1
SE	.3	.1	.8	.4	.1		.0	.0				1.8	10.4
SSE	.6	.4	.6	.5	.3							1.9	10.3
S	.8	1.1	.7	.7	.5	.3						3.9	9.4
SSW	1.3	1.6	1.6	1.0	.5	.2	.1					6.3	8.8
SW	2.7	3.8	2.8	.9	.1	.0						10.3	6.2
WSW	1.4	1.9	1.5	.0								4.8	5.2
W	.8	1.4	.7	.4	.1							3.3	6.4
WNW	.4	.9	.5	.4								2.1	6.7
NW	.4	1.4	1.0	.4	.1							3.2	7.3
NNW	.7	1.1	2.3	1.6	.6	.1	.0					6.4	9.9
VARBL													
CALM												22.0	
	13.9	20.5	24.8	13.9	3.6	1.0	.2	.0				100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2283

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45.47-50.56-72  
YEARS

FEB  
MONTH

0900-1100  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.4	3.5	3.9	.9	.2						10.5	10.9
NNE	1.0	2.1	2.5	2.1	.6	.2						8.5	9.3
NE	1.1	2.0	3.2	1.7	.1	.1						8.2	8.1
ENE	.4	1.0	1.3	1.0	.1							3.8	8.3
E	.6	.6	1.7	1.0	.0	.0						4.0	8.3
ESE	.3	.7	.6	.7	.2	.1						2.7	10.0
SE	.4	.4	1.1	.8	.2							2.9	9.5
SSE	.2	.5	.4	.8	.1	.1						2.1	10.3
S	.5	1.1	2.1	1.7	.7	.1						6.2	10.2
SSW	.7	1.0	1.8	1.9	1.2	.6	.3	.1				7.7	12.7
SW	1.4	2.7	3.2	2.7	.2		.1	.0				10.2	8.5
WSW	1.1	2.0	2.3	.9	.2							6.4	7.3
W	.7	1.3	1.6	.9	.1							4.6	7.7
WNW	.2	.4	.9	.7	.1			.0				2.4	10.3
NW	.3	.9	1.5	.7	.3			.0				3.8	9.4
NNW	.2	.8	2.0	2.9	1.4	.4		.1				7.7	12.6
VARBL													
CALM												8.3	
	9.6	19.0	29.6	24.6	6.5	1.8	.4	.3				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 2280

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.4	4.3	3.9	1.6	.7	.0					12.9	11.4
NNE	.4	1.6	2.3	2.0	.8	.2						7.2	10.3
NE	.4	1.7	2.3	1.3	.4	.0						6.0	9.0
ENE	.2	1.1	1.4	.9	.2							3.7	9.0
E	.3	1.0	1.8	1.2	.2	.0						4.6	9.2
ESE	.1	.5	.7	.6	.2							2.1	9.3
SE	.1	.3	.9	.7	.2	.1						2.3	11.1
SSE	.2	.7	1.3	1.4	.4	.0						3.9	10.9
S	.3	1.0	1.8	2.5	.4	.2		.0	.0			6.3	11.3
SSW	.4	.7	1.6	3.1	1.6	.9	.4	.0				8.7	14.4
SW	.5	1.1	3.2	2.9	.9	.3	.1	.2				9.2	11.7
WSW	.3	1.8	2.8	1.4	.1	.1						6.6	8.8
W	.3	1.7	2.4	1.0	.1							5.4	8.1
WNW	.2	1.0	1.6	1.0	.1							3.9	9.1
NW	.2	1.3	2.4	1.2	.3							5.4	8.9
NNW	.1	.8	3.0	3.6	1.1	.3	.0					9.0	11.8
VARBL													
CALM												2.9	
	4.9	17.6	33.7	28.5	8.6	3.0	.6	.3	.0			100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 2279

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.8	3.6	4.1	1.4	.4		.0				12.4	11.2
NNE	.5	1.8	2.1	2.0	.6	.1						7.0	9.9
NE	.6	1.8	2.6	1.5	.4	.1						7.0	9.0
ENE	.3	.8	1.2	.7	.2							3.3	8.8
E	.5	1.1	1.8	1.2	.3							4.9	8.8
ESE	.1	.5	1.0	.7	.1							2.3	9.7
SE	.2	.7	1.0	.6	.0	.0						2.6	8.5
SSE	.1	.4	1.2	1.1	.4							3.3	10.8
S	.1	.7	1.8	2.3	1.1	.2	.0					6.4	12.4
SSW	.4	.9	2.1	2.9	1.3	.9	.2					8.8	13.2
SW	.4	1.8	2.9	2.4	.5	.2	.2					8.4	10.1
WSW	.3	1.5	1.9	.9	.1	.1	.0					4.8	8.7
W	.6	1.4	1.6	.6	.1							4.2	7.1
WNW	.4	.8	1.5	.8	.1							3.6	8.5
NW	.4	1.4	2.0	2.0	.2	.0						7.1	9.2
NNW	.6	1.7	3.6	3.7	.6	.3		.0				10.5	10.6
VARBL													
CALM												3.4	
	6.5	19.1	33.1	27.4	7.5	2.5	.5	.1				100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 2274

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 56-72  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	3.6	4.2	3.0	.8	.1						13.2	8.9
NNE	.9	1.7	2.2	1.8	.4							6.9	8.7
NE	.9	1.4	1.9	1.0	.3	.0						5.6	8.3
ENE	.2	.6	1.9	.7	.0							3.6	8.4
E	.6	1.2	2.2	.7	.1							4.9	7.8
ESE	.2	.6	.8	.1		.0						1.7	7.7
SE	.2	1.0	1.8	.3	.1	.0						3.5	8.3
SSE	.1	.5	1.5	1.2	.3							3.6	10.4
S	.7	1.0	2.1	1.7	.4	.3	.0					6.2	10.2
SSW	.6	2.7	2.6	1.6	.8	.3	.2	.0				9.3	9.7
SW	1.6	3.1	1.6	.5	.0							6.7	5.9
WSW	.7	1.0	.5	.2								2.4	5.6
W	.6	1.2	.4	.2								2.5	5.6
WNW	.3	.7	.4		.0							1.6	5.6
NW	1.2	1.8	1.7	.6	.0	.0						5.4	6.7
NNW	.6	1.7	2.0	.9	.2							5.4	8.0
VARBL													
CALM												17.5	
	11.2	23.9	28.1	14.4	3.7	.9	.2	.0				100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 2118

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

40-45, 48-50, 56-72  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	3.1	4.1	2.6	.4	.1						11.7	8.3
NNE	.7	1.4	2.9	2.1	.1	.0						7.4	8.9
NE	1.4	1.8	3.2	.8	.2							7.5	7.4
ENE	.3	1.0	1.9	.4								3.5	7.4
E	.9	1.0	1.4	.7	.1							4.1	7.0
ESE	.2	.2	.7	.2	.0							1.4	8.3
SE	.3	.5	1.0	.5	.1							2.4	8.8
SSE	.1	.7	.7	.9	.3	.0	.1					2.9	11.0
S	1.1	1.2	1.4	1.9	.8	.2						6.6	10.0
SSW	1.2	1.5	2.3	1.3	.5	.4	.1					7.4	9.5
SW	1.6	2.4	2.6	1.1	.1							8.1	6.7
WSW	.5	1.2	.5	.1	.1	.0	.1					2.6	7.6
W	.8	.3	.2	.3								1.6	5.9
WNW	.2	.2	.4	.3								1.2	7.8
NW	.8	.5	1.1	.5	.0	.1						3.1	7.6
NNW	.2	1.2	1.2	.7	.1	.1						3.8	8.5
VARBL													
CALM												24.7	
	11.8	18.9	25.7	14.5	3.1	1.1	.3					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

2093

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-71  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.4	2.1	1.5	.7	.3						7.7	9.4
NNE	1.2	1.5	2.8	1.8	.6	.0						8.0	8.8
NE	1.1	1.9	2.1	1.8	.9	.2						8.1	9.4
ENE	.3	1.2	1.5	.9	.3							4.2	8.7
E	.4	.7	1.2	.4	.1							2.8	7.7
ESE	.2	.4	.7	.4	.0							1.8	8.4
SE	.6	.3	.7	1.1	.0	.0						2.8	9.8
SSE	.4	.3	.7	1.3	.5	.4	.2	.0				4.1	13.4
S	1.0	.6	.6	1.4	1.3	1.5	.7	.3				7.3	16.2
SSW	1.1	1.3	1.3	1.5	.9	.6	.3	.1				7.2	11.6
SW	2.3	2.0	2.1	.4	.4	.2	.1					7.4	7.0
WSW	.4	1.4	.7	.1	.0							2.6	5.8
W	.6	1.9	.7	.2	.1							3.2	6.2
WNW	.2	1.6	1.5	.6	.1							3.5	8.5
NW	.4	.9	2.0	.8	.5	.6						4.6	9.6
NNW	.6	1.5	1.9	1.0	.4	.1						5.6	9.1
VARBL													
CALM												19.2	
	11.3	19.2	22.9	15.2	7.0	3.4	1.2	.4				100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 2285



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-72  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0100-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.3	2.7	1.8	.9	.1	.1					8.1	9.1
NNE	.9	2.2	2.6	1.4	.6	.2						7.9	8.9
NE	.7	1.6	2.9	1.6	.7	.2						7.8	9.8
ENE	.2	.9	1.3	.8	.3	.1						1.6	9.3
E	.4	.6	.8	.7	.1							2.6	8.6
ESE	.2	.5	.5	.4	.0							1.7	8.1
SE	.3	.6	.7	1.3	.2							3.1	9.7
SSE	.1	.2	.3	1.1	1.0	.2		.0				2.9	14.9
S	.9	1.0	.7	1.0	.8	1.3	.3					6.1	13.7
SSW	1.3	1.3	1.5	1.6	1.2	.9	.3	.0				8.1	12.0
SW	2.4	1.9	1.9	.8	.2	.1	.1					7.2	6.6
WSW	.9	1.9	1.4	.1								4.4	5.8
W	.5	1.0	1.3	.5	.1							3.6	7.7
WNW	.2	1.0	1.1	.8	.1							3.2	8.4
NW	.6	1.0	2.0	1.0	.1	.2						4.9	9.0
NNW	.6	1.3	1.3	1.0	.4							4.6	9.0
VARBL													
CALM												19.1	
	11.5	19.4	23.1	16.0	6.7	3.3	.8	.1				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

2305

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.0	2.7	1.9	.8	.1						8.7	9.0
NNE	1.0	1.7	2.4	1.9	.7	.4	.0					8.0	9.9
NE	1.1	2.3	2.8	2.3	.5	.0	.0					9.1	8.9
ENE	.4	1.0	1.4	.6	.2	.1	.0					3.7	9.0
E	.5	.6	1.1	.5	.2							3.0	8.7
ESE	.1	.4	.6	.6	.4							2.1	10.8
SE	.2	.3	.4	1.1	.2	.0						2.1	10.9
SSE	.1	.2	.6	.9	.4	.2	.1	.0				2.5	14.5
S	.8	.9	.8	1.7	1.1	.8	.2					6.2	13.3
SSW	1.2	1.7	1.9	1.2	1.7	1.0	.2					8.8	11.8
SW	2.3	2.8	2.3	.6	.6	.1						8.7	7.0
WSW	.9	1.6	1.5	.3	.1	.0						4.5	6.7
W	.6	.8	1.2	.6								3.1	7.5
WNW	.4	1.0	1.2	.8	.1	.0						3.5	8.6
NW	.3	.8	1.5	1.3	.1	.1						4.1	9.7
NNW	.5	1.2	2.2	1.4	.2	.1						5.6	9.3
VARBL													
CALM												16.1	
	11.4	19.2	24.6	17.7	7.4	2.9	.6	.0				100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 2512

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) Dir.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.0	4.2	3.5	1.1	.2	.0					10.7	11.0
NNE	.4	1.4	2.4	2.4	.7	.3						7.5	10.7
NE	.6	1.2	3.3	2.4	.5	.2						8.4	9.9
ENE	.2	.9	1.2	1.4	.2	.2						4.1	10.4
E	.4	.9	1.6	1.0								3.9	8.2
ESE	.3	.4	1.1	1.0	.3	.1						3.3	10.5
SE	.3	.6	1.0	1.1	.4		.0					3.4	10.0
SSE	.2	.2	.9	1.1	.6	.2	.1	.1				3.3	13.7
S	.3	.4	1.0	2.1	1.3	1.0	.5	.1				6.7	15.7
SSW	.6	1.1	1.3	2.5	2.0	1.7	.6	.1				9.9	15.6
SW	.8	1.2	2.4	1.6	1.4	.6	.2	.0				8.3	12.1
WSW	.4	1.1	2.8	1.0	.3	.2		.0	.0			5.8	9.8
W	.4	1.3	1.4	.9	.3							4.3	8.6
WNW	.2	.5	1.9	1.2	.4	.1						4.3	10.8
NW	.1	.6	2.1	2.0	.5	.1						5.4	11.2
NNW	.1	.7	1.6	2.5	1.2	.2						6.3	12.7
VARBL													
CALM												4.6	
	5.9	13.4	30.2	27.7	11.1	5.1	1.5	.4	.0			100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 2507

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AFB  
STATION NAME

39-45, 47-50, 56-72  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	3.3	3.9	1.4	.2	.0					10.5	11.2
NNE	.3	1.3	2.6	2.9	.0	.2						6.1	11.0
NE	.2	1.1	2.8	2.9	.6	.2						6.8	10.7
ENE	.1	1.0	1.1	1.0	.1	.1						3.4	9.4
E	.2	.8	1.3	1.3	.1		.0					3.7	9.5
ESE	.2	.3	1.0	1.0	.1	.2						2.7	10.9
SE	.3	.4	1.3	1.2	.2							3.4	9.8
SSE		.3	.9	1.1	.6	.3	.0	.1				3.2	14.5
S	.1	.5	1.5	2.1	1.7	1.1	.4	.2				7.6	15.9
SSW	.1	.5	1.2	2.2	1.7	2.0	1.3	.3	.0			9.3	18.9
SW	.6	1.9	2.2	2.2	1.6	.9	.3	.2				8.9	12.8
WSW	.3	1.2	2.2	1.1	.6	.1	.0					5.6	10.1
W	.3	.9	1.5	1.6	.2	.2		.0				4.8	10.4
WNW	.1	.6	1.7	2.0	.6	.2	.0					5.2	12.0
NW	.2	.8	2.1	2.7	.9	.1						6.9	11.7
NNW	.1	.6	2.9	2.2	1.4	.5	.1					7.7	12.7
VARBL													
CALM												2.2	
	3.6	12.7	29.5	30.5	12.5	5.7	2.3	.9	.0			100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 2497

4  
(  
DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC  
(

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.1	3.7	3.7	1.2	.3	.1					10.8	11.3
NNE	.4	.8	2.9	2.6	1.0	.3	.0					8.1	11.6
NE	.4	.8	3.0	2.1	.6	.2						7.1	11.0
ENE	.1	.5	1.2	1.2	.2	.2						3.5	10.8
E	.4	1.0	1.4	1.0								3.7	8.1
ESE		.5	.7	.8	.2	.1						2.3	10.8
SE	.2	.3	1.2	1.0	.1	.1						2.9	10.7
SSE	.0	.2	.7	1.4	.4	.4	.2					3.4	14.5
S	.2	.8	1.4	1.7	1.6	1.2	.4	.2				7.5	15.8
SSW	.1	.5	1.5	2.1	2.0	1.0	1.2	.3				9.4	18.2
SW	.3	1.1	1.9	1.9	1.1	.6	.2	.0				7.2	13.0
WSW	.2	.8	2.2	1.1	.5	.2	.1	.1				5.1	11.3
W	.4	.8	1.8	.8	.1	.0	.0	.1				4.1	9.3
WNW	.3	.9	1.5	1.7	.6		.1					5.0	10.8
NW	.5	.7	3.3	3.2	1.2	.2						9.4	11.7
NNW	.4	1.1	2.6	2.7	1.4	.1						8.3	11.4
VARBL													
CALM												2.5	
	4.6	11.9	30.9	29.2	12.1	5.9	2.5	.7				100.0	12.0

TOTAL NUMBER OF OBSERVATIONS

2491

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

F10PT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 56-72  
YEARS

MAK  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.8	3.9	2.8	.6	.3	.0					11.9	9.0
NNE	.9	1.4	2.9	1.6	.6	.3	.0					8.0	9.9
NE	.7	1.2	3.3	1.4	.7	.2	.0					7.6	9.7
ENE	.3	.9	1.6	1.2	.2	.1						4.3	9.0
E	.5	1.4	1.8	.4	.1							4.1	7.3
ESE	.2	1.0	1.2	.3	.0							2.8	7.3
SE	.3	.6	1.5	.7	.0	.0						3.2	8.5
SSE	.2	.8	1.7	1.5	.4	.3	.0	.0				4.7	12.1
S	.2	1.2	1.8	2.7	2.2	.6	.2	.0				8.8	13.8
SSW	.7	1.5	1.7	1.9	1.0	.8	.2	.0				7.9	12.2
SW	.9	.9	1.4	.4	.2	.2						4.0	8.0
WSW	.7	.7	.8	.3		.2	.0					2.8	7.8
W	.9	.7	.4	.2	.1	.1						2.1	7.9
WNW	.3	.9	.9	.9	.3	.1						3.4	9.7
NW	.8	1.6	1.7	1.4	.4	.3	.1					6.2	9.5
NNW	.9	1.6	3.1	1.9	.4	.1	.0					8.2	9.1
VARBL													
CALM												10.2	
	9.7	19.1	29.6	19.7	7.4	3.5	.7	.1				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

2325

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 56-72  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.9	3.0	1.7	.6	.3	.1					8.4	9.6
NNE	1.3	1.5	2.1	1.2	1.0	.3	.0					7.4	9.6
NE	1.4	2.0	3.6	1.9	.4	.1						9.5	8.4
ENE	.6	1.0	1.3	.8	.3	.2	.0					4.2	9.3
E	.4	1.4	1.0	.4	.1							3.3	7.0
ESE	.2	.8	1.0	.4								2.1	8.4
SE	.2	.4	1.6	1.1	.3							3.6	10.0
SSE	.2	.4	.9	1.2	1.0	.8	.2	.0				4.6	15.9
S	.7	.7	1.1	2.1	2.1	1.3	.8	.1				8.4	15.6
SSW	.9	1.1	1.5	1.4	1.1	.4	.3	.1				6.9	12.1
SW	1.7	1.2	.9	.3	.2	.0	.0					4.4	6.3
WSW	.6	1.6	.8	.2	.2	.1						3.4	6.7
W	.8	1.0	.9	.3								2.7	5.8
WNW	.1	.3	.7	.5	.3							1.9	10.8
NW	.4	.9	1.6	1.0	.3	.1	.1					4.4	9.9
NNW	.6	1.1	2.0	1.1	.4	.1	.2					5.6	10.1
VARBL													
CALM												19.2	
	10.7	17.0	23.8	15.7	8.2	3.8	1.5	.2				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 2303

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-71  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.9	2.6	.9	.4	.1						7.0	8.2
NNE	1.4	1.7	1.9	1.1	.3	.2						6.6	7.7
NE	1.7	1.9	2.0	.9	.4	.1						6.4	7.7
ENE	.5	1.2	2.0	1.1	.3	.1						5.2	8.9
E	.5	1.1	1.1	.7	.1							3.5	7.4
ESE	.4	.4	1.0	.6	.1							2.6	8.5
SE	.5	.4	1.7	1.7	.5	.1	.0					4.9	10.5
SSE	.2	.6	1.3	1.6	.6	.4	.2					5.4	13.3
S	.3	.6	1.6	2.0	2.9	1.2	.3	.0				9.0	15.5
SSW	.9	1.7	1.9	1.5	1.6	1.1	.2					8.9	12.3
SW	2.1	1.8	.8	.7	.1	.1	.0					5.6	6.4
WSW	.6	.6	.7	.2	.1							2.2	6.4
W	.5	.5	1.1	.7	.2							2.9	8.5
WNW	.2	.5	.4	.2	.1							1.4	8.4
NW	.1	.4	1.2	1.2	.2	.0						3.1	11.0
NNW	.1	.7	1.2	.8	.3	.0						3.1	9.9
VARBL													
CALM												22.3	
	11.0	15.7	22.4	16.0	8.3	3.5	.8	.0				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 2242



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-72  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 46	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.1	1.5	1.5	1.2	.3	.1						6.0	8.1
NNE	1.1	2.0	2.2	.9	.3	.1						6.6	7.7
NE	1.7	2.0	2.4	.9	.5	.1	.1					7.8	7.9
ENE	.5	.9	1.9	1.1	.3	.3						4.9	9.7
E	.9	.8	1.2	.6	.3	.1						4.0	8.2
ESE	.1	.4	1.4	.6		.0						2.6	9.2
SE	.3	.4	1.2	1.6	.9	.1	.0					4.1	11.4
SSE	.2	.7	1.1	1.3	1.2	.5	.1					5.1	13.7
S	.8	1.2	1.0	1.9	2.0	1.4	.2					8.5	14.1
SSW	.9	1.5	1.8	1.9	1.2	.6	.1					8.2	11.8
SW	1.3	2.5	1.3	.5	.1							5.8	6.1
WSW	.7	1.0	.9	.2	.1							2.8	6.6
W	.4	.6	.9	.3	.3							2.6	8.3
WNW	.3	.5	1.0	.7	.2							2.6	9.0
NW	.3	.2	1.6	.7	.4							3.2	10.2
NNW	.5	.8	1.5	.9	.2							3.9	8.6
VARBL													
CALM												21.1	
	11.2	17.0	23.4	15.2	8.0	3.5	.5					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 2247

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0000-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.2	2.4	1.4	.3	.2						6.2	9.4
NNE	.9	2.0	2.2	1.4	.6	.2						7.3	9.1
NE	1.2	1.8	2.6	1.5	.3	.2	.1					7.9	8.5
ENE	.3	.9	1.9	1.4	.2	.1	.0		.0			4.9	10.3
E	.5	.8	1.0	1.0	.1	.3						4.4	9.3
ESE	.1	.6	1.1	.9	.3	.0						3.1	10.5
SE	.5	.4	1.3	1.8	.7	.2						4.9	11.5
SSE	.4	.4	1.0	1.5	.9	.3	.2	.1				5.0	14.3
S	.5	1.0	1.5	2.7	1.5	1.0	.2					8.3	13.5
SSW	.5	1.2	1.3	2.2	1.0	.8	.8	.1				8.5	14.5
SW	1.3	1.5	1.3	.7	.5	.1	.0					5.5	8.1
WSW	.5	1.2	1.0	.5	.0							3.3	7.2
W	.5	.8	1.2	.4	.2							3.1	7.9
WNW	.1	.6	1.0	.5	.2							2.3	9.2
NW	.3	.7	1.2	1.5	.3							3.9	10.1
NNW	.3	1.0	1.3	1.1	.4	.0						4.3	9.6
VARBL													
CALM												17.1	
	8.8	16.1	24.0	20.5	8.2	3.7	1.3	.2	.0			100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

2446

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.9	2.5	3.0	.5	.2	.1					7.5	11.4
NNE	.4	.9	2.4	2.2	.8	.2	.2					7.1	11.4
NE	.5	1.7	2.6	2.0	.6	.2	.0					7.7	9.9
ENE	.3	.9	1.9	1.8	.5	.1	.0					5.6	10.6
E	.4	.5	1.8	2.0	.5	.1						5.4	10.8
ESE	.2	.6	1.2	1.3	.4	.1						3.8	10.8
SE	.3	.4	1.6	1.3	.7	.2	.0					5.1	11.9
SSE	.2	.3	1.2	2.0	1.1	.9	.1					5.8	14.9
S	.3	.7	1.4	2.8	1.0	1.3	.5					8.8	15.5
SSW	.4	.4	.8	2.0	3.1	2.0	.7	.3				9.7	18.2
SW	.8	1.0	1.5	2.0	1.7	.7	.2					7.7	12.8
WSW	.0	.6	1.5	1.4	.3	.1						4.5	9.8
W	.3	.5	1.4	.9	.3	.0						3.5	10.1
WNW	.2	.4	.8	.8	.3	.0						2.6	10.4
NW	.0	.6	1.5	1.8	.9							4.9	11.9
NNW	.2	.7	2.1	2.1	.9	.3						6.4	12.0
VARBL													
CALM												3.8	
	5.5	11.3	26.4	29.8	14.4	6.6	1.9	.3				100.0	12.0

TOTAL NUMBER OF OBSERVATIONS 2456

4

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPFED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.0	2.6	2.9	.7	.2	.0					7.7	11.3
NNE	.3	1.0	2.7	2.2	.8	.4	.1					7.4	11.2
NE	.3	1.6	2.5	1.8	.6	.2						6.9	10.1
ENE	.0	.9	1.8	1.0	.7	.1						4.5	10.9
E	.4	.7	1.6	1.4	.3	.1						4.3	10.0
ESE	.2	.6	1.0	1.3	.4	.1						3.6	11.5
SE	.2	.3	1.3	1.0	.8	.2	.0					4.4	12.7
SSE	.2	.7	1.3	1.0	1.1	.9	.1	.0				6.3	14.0
S	.2	.6	1.6	2.0	1.8	1.7	.7	.1				8.7	16.5
SSW	.2	.4	1.3	1.8	2.1	2.6	1.3	.2				9.8	19.1
SW	.4	.7	1.6	2.4	1.9	.3	.1					7.9	13.6
WSW	.3	.7	1.2	1.6	.6	.2						4.6	11.4
W	.3	.7	1.3	1.8	.2	.2						4.6	11.1
WNW	.1	.4	1.1	1.6	.4	.0						3.7	11.7
NW	.1	.5	1.7	3.0	.6	.0						5.9	12.1
NNW	.2	.9	2.7	2.5	.8	.4						7.4	11.7
VARBL													
CALM												1.9	
	3.8	11.4	27.2	30.5	13.9	8.1	2.3	.3				100.0	12.6

TOTAL NUMBER OF OBSERVATIONS 2447

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AFB  
STATION NAME

39-45, 47-50, 56-72  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.8	3.1	3.0	.8	.3	.0					3.1	11.6
NNE	.2	.6	2.9	2.5	.7	.3	.0					7.2	11.5
NE	.1	1.2	2.6	1.6	.7	.1						6.2	10.5
ENE	.3	1.0	2.2	1.4	.3	.1	.1					5.3	10.1
E	.5	1.5	1.9	1.3	.5	.3	.0					5.9	9.8
ESE	.1	.5	.7	1.3	.3	.3						3.1	11.4
SE	.2	.7	1.8	1.5	.7	.2		.0	.0			5.1	11.8
SSE	.0	.5	1.0	1.9	.8	.5	.3					5.0	14.3
S	.1	.5	1.4	2.0	1.8	1.3	.8		.0			8.1	16.8
SSW	.1	.4	1.3	2.3	3.2	2.3	1.2					10.8	18.2
SW	.3	.5	1.9	2.1	1.8	.5	.3	.0				7.5	14.0
WSW	.3	1.0	.9	1.1	.7	.1						4.1	10.8
W	.2	.6	1.4	1.3	.4	.1						4.1	10.9
WNW	.1	.6	1.2	1.3	.4	.1	.0					3.8	11.2
NW	.3	.8	2.0	2.8	.5	.1						7.3	11.0
NNW	.2	.7	2.7	2.3	.9	.1						6.9	11.6
VARBL													
CALM												1.7	
	3.1	11.8	29.9	29.7	14.4	6.3	2.9	.1	.1			100.0	12.5

TOTAL NUMBER OF OBSERVATIONS

2397

4

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-72  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.5	3.6	2.1	.6	.0						9.4	8.8
NNE	.4	1.3	2.1	1.4	.5	.0						5.6	9.5
NE	.7	1.3	2.2	1.2	.7	.0						6.2	9.1
ENE	.4	1.7	2.1	.3	.4	.1	.0					5.2	8.8
E	.8	2.0	2.1	1.3		.1						6.3	7.7
ESE	.3	.6	1.4	.9	.2	.0	.0					3.7	9.5
SE	.3	.7	2.4	1.5	.5	.1						5.9	10.1
SSE	.4	.9	2.1	1.6	1.1	.4	.3					6.9	12.5
S	.4	1.1	2.2	3.6	1.9	.9	.2					10.3	13.5
SSW	.6	1.1	1.5	2.4	1.4	.6	.2					7.8	12.9
S'W	.7	1.3	1.6	1.1	.2	.0	.0					4.9	8.5
WSW	.5	.6	.3	.2	.2	.1						1.9	8.3
W	.8	.4	.4	.4	.3	.2						2.3	8.1
WNW	.4	1.1	1.6	.4	.1			.0				3.1	7.9
NW	.8	1.7	1.5	1.0	.3							5.4	8.0
NNW	.2	1.6	2.3	1.5	.1	.0						5.9	8.7
VARBL													
CALM												9.3	
	8.9	20.0	25.9	20.9	8.3	2.7	.9	.0				100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

2289

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-72  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	2.4	1.3	.7		.0					7.4	8.6
NNE	.9	2.2	1.8	1.4	.2	.2						6.3	8.3
NE	2.0	1.7	1.5	.8	.3	.0						6.4	7.0
ENE	.7	1.0	1.4	.8	.4	.1						4.3	8.9
E	.5	1.6	1.8	1.0	.1							5.0	8.0
ESE	.4	.9	1.2	.7	.1	.0						3.3	8.1
SE	.4	.9	2.1	1.3	.8	.2						5.6	10.7
SSE	.1	.7	2.1	2.0	1.5	.5	.3	.0				7.9	13.9
S	.6	.7	1.9	3.8	2.1	.7	.3	.0				10.1	13.8
SSW	.9	1.1	1.1	1.1	1.4	1.0	.0					6.2	13.1
SW	1.4	1.2	1.1	.4	.1	.0						4.2	6.3
WSW	.3	.6	.3	.1	.0							1.4	6.5
W	.6	.7	.5	.4	.3	.0						2.5	6.1
WNW	.2	.3	.5	.3	.1							1.3	9.0
NW	.3	.5	.7	.2	.3	.1						2.1	8.8
NNW	.4	.8	1.3	.7	.1							3.4	8.4
VARBL													
CALM												22.0	
	10.2	16.8	21.7	16.9	8.5	3.0	.7	.1				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 2273

4 DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-71  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) Dir.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.6	1.5	.7	.1							4.9	7.2
NNE	1.1	1.6	1.3	1.0	.1							5.0	7.0
NE	2.0	1.5	1.8	.3	.0	.1						5.7	5.9
ENE	.4	1.2	.8	.3								2.6	6.4
E	.7	1.5	1.1	.4		.0						3.9	6.8
ESE	.4	.4	1.0	1.3	.1	.0						3.2	9.8
SE	.7	.9	2.3	1.7	.3	.2	.0					6.0	9.7
SSE	.4	.9	2.1	2.0	1.1	.7	.1					7.7	12.3
S	1.2	1.5	2.3	5.3	1.8	.3	.2	.1				12.7	12.0
SSW	1.0	2.1	1.6	1.7	1.1	.2	.2	.1				7.9	10.4
SW	2.4	2.0	1.3	.9	.3	.2						7.1	6.8
WSW	.7	.7	.5	.1								2.0	5.3
W	.5	.7	.6	.1								1.9	5.8
WNW	.1	.4	.5	.1		.0						1.1	7.7
NW	.5	.6	.7	.3		.0			.0			2.2	7.6
NNW	.5	.9	1.5	.4	.1							3.3	7.4
VARBL													
CALM												22.6	
	13.5	18.5	21.0	17.0	4.9	1.8	.5	.2	.0			100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 2272



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-72  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.0	1.8	.7	.1		.0					6.6	6.4
NNE	1.1	1.8	1.5	.7	.1							5.2	6.6
NE	1.9	1.8	2.0	.4	.1							6.0	6.0
ENE	.6	1.0	.9	.4	.0							2.9	6.5
E	.9	1.2	1.3	.2								3.5	6.1
ESE	.4	1.1	1.5	.3	.1							3.4	7.6
SE	.5	1.1	1.6	1.0	.3	.0						4.7	8.9
SSE	.4	.8	1.6	1.9	.8	.3	.1					5.8	12.3
S	1.5	1.5	2.0	3.2	1.3	.4						11.0	10.5
SSW	1.8	1.9	1.7	1.9	.7	.4	.2					8.6	9.6
SW	2.9	3.0	2.6	.7	.3	.1						9.1	6.0
WSW	.6	1.0	.5	.0	.0							2.2	5.3
W	.6	1.0	.8	.0								2.5	5.6
WNW	.1	.4	.6	.3	.1							1.6	8.3
NW	.2	.7	.6	.3								1.9	7.4
NNW	.4	.7	1.2	.2								2.6	6.8
VARBL													
CALM												22.5	
	16.0	21.0	22.5	12.3	4.0	1.3	.4					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2311

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AFB  
STATION NAME

59-45, 47-50, 56-72  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.9	1.9	1.0	.2	.1	.0					6.4	7.8
NNE	1.0	1.2	2.0	1.3	.3	.0						5.8	8.5
NE	1.3	1.9	2.7	.7	.1	.0						7.0	7.0
ENE	.6	.6	1.5	.4	.0							3.2	7.5
E	.6	1.0	1.6	.7	.2		.0					4.1	8.1
ESE	.6	1.1	.9	.7	.2	.1						3.4	8.8
SE	.6	.9	2.1	1.6	.4	.1	.0					5.9	9.9
SSE	.3	.6	1.7	1.6	.8	.3						5.4	11.9
S	.8	1.0	2.5	3.9	2.0	.7	.1					11.0	12.6
SSW	1.2	1.3	2.5	1.9	1.4	.7	.1					9.2	11.3
SW	2.2	2.3	1.6	1.3	.6	.1		.0				8.2	7.6
WSW	.6	1.0	1.0	.1	.1		.0	.0				2.9	7.1
W	.4	1.0	.8									2.2	5.7
WNW	.3	.8	1.0	.3	.0							2.4	7.8
NW	.2	.4	1.2	.5	.1							2.4	8.7
NNW	.4	.7	1.5	.7	.1	.0						3.3	8.6
VARBL													
CALM												17.1	
	12.3	17.9	26.8	16.8	6.5	2.2	.4	.1				100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

2481

4 DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.2	3.1	1.3	.6	.7						6.8	10.0
NNE	.4	1.2	1.8	1.6	.2							5.3	9.1
NE	.3	1.2	3.0	1.2	.3			.0				6.1	9.2
ENE	.3	.8	2.1	.9	.0							4.2	8.9
E	.3	1.2	1.4	1.1	.1	.0						4.1	8.6
ESE	.2	.6	1.5	1.4	.3							4.2	10.0
SE	.4	.9	1.8	1.6	.5							5.2	9.7
SSE	.0	.6	1.8	2.7	1.0	.2	.0					7.0	11.7
S	.3	1.1	2.2	4.9	2.7	1.4	.2	.3				12.9	14.3
SSW	.4	.6	2.5	3.6	2.6	1.1	.6					11.5	14.8
SW	.5	1.0	3.2	3.0	1.0	.2	.0	.0				9.8	10.9
WSW	.4	1.3	1.9	.9	.2	.1	.0					4.9	8.9
W	.3	1.0	1.4	.6	.1	.0						3.4	8.1
WNW	.3	.2	1.0	.9	.1	.1						2.6	10.0
NW	.3	.6	1.0	.6	.2	.1	.0					2.8	9.9
NNW	.1	.8	2.1	1.1	.3	.0	.0					4.6	10.0
VARBL													
CALM												4.7	
	5.4	12.5	31.9	27.8	10.3	3.6	1.0	.1				100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 2496

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1347  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.6	2.6	1.6	.3	.1	.0					6.7	9.3
NNE	.2	1.2	2.1	1.2	.3							5.0	9.4
NE	.5	1.4	2.5	1.2	.4							5.9	8.9
ENE	.2	1.0	1.5	.8	.0							3.4	8.3
E	.2	1.0	1.7	1.2	.1			.0				4.4	9.3
ESE	.1	.8	1.7	1.4	.4	.0						4.4	10.3
SE	.2	.6	2.1	1.6	.2	.2	.0					5.0	10.7
SSE	.2	.5	2.1	2.7	1.1	.2	.1					7.0	12.5
S	.4	1.0	2.8	6.2	3.3	1.2	.2					15.0	13.9
SSW	.3	.8	1.7	3.3	1.9	1.8	.6	.2				10.6	16.0
SW	.7	1.4	3.7	2.3	1.4	.6	.1	.0				10.1	11.4
WSW	.2	1.2	1.5	1.0	.3	.1						4.2	9.5
W	.4	1.2	1.8	.8	.2	.2						4.5	8.8
WNW	.3	.7	.7	.7	.2	.0						2.7	9.0
NW	.2	.7	1.7	1.2	.1							4.0	9.5
NNW	.2	.8	1.7	1.6	.4	.2						4.8	10.5
VARBL													
CALM												2.4	
	4.9	12.8	31.6	28.8	10.5	4.6	1.0	.3				100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 2480

4  
DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	3.0	1.4	.5	.0	.1					7.0	9.4
NNE	.2	1.1	1.8	1.4	.2	.0	.0					4.8	9.9
NE	.5	2.0	2.6	1.2	.1							6.4	8.0
ENE	.4	1.3	2.2	.8	.2							4.6	7.9
E	.5	1.5	1.6	1.2	.1							4.9	7.9
ESE	.1	.5	1.4	1.0	.2							3.3	9.8
SE	.2	.3	2.6	2.4	.5							6.0	10.8
SSE	.0	.5	2.3	3.3	1.1	.2	.2					7.7	13.2
S	.3	.9	4.7	5.8	3.5	1.5	.2	.0				15.0	14.7
SSW	.3	.7	1.8	2.9	1.7	1.3	.4	.2	.0			7.2	15.3
SW	.5	1.6	2.7	2.4	.7	.7	.3					8.8	11.5
WSW	.2	.8	.9	.6	.2	.1						2.9	9.6
W	.5	1.3	2.0	.4	.3	.2						5.2	9.0
WNW	.2	.7	1.2	.8	.3	.1						3.4	9.8
NW	.2	1.2	1.6	1.0	.5							4.4	9.5
NNW	.2	.4	1.9	1.2	.4							4.1	10.3
VARBL													
CALM												2.6	
	4.9	16.1	32.2	28.0	10.4	4.2	1.2	.2	.0			100.0	10.9

TOTAL NUMBER OF OBSERVATIONS 2430

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-72  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.7	2.4	1.3	.2							6.7	8.0
NNE	.9	.9	1.3	.9	.2	.1						4.2	8.2
NE	1.3	1.9	2.4	.8								6.4	6.7
ENE	.3	1.2	1.9	.2	.1							3.4	7.1
E	.7	1.9	2.9	.6	.1							5.8	7.1
ESE	.2	1.2	1.9	.9	.2	.0						4.5	8.9
SE	.9	1.8	3.2	1.9	.3							7.3	8.5
SSE	.3	1.9	3.8	2.6	.9	.4	.2					9.7	11.1
S	.2	1.6	4.3	5.6	2.2	.9	.3					15.1	12.2
SSW	.9	1.9	1.8	1.7	.9	.6	.1		.1			6.8	11.9
SW	1.6	1.8	1.4	.6	.1	.3						5.6	7.4
WSW	.6	.7	.3	.3	.1	.0						1.9	6.8
W	.9	.9	.8	.9	.1							2.9	7.3
WNW	.6	.9	.9	.3	.0							2.7	6.8
NW	.9	.6	1.2	.3			.0					2.9	7.3
NNW	.9	1.9	1.1	.6	.1							3.9	7.6
VARBL													
CALM												10.2	
	10.4	22.1	30.9	18.6	5.2	1.9	.6		.1			100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

2330

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-72  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.4	1.7	.6	.1							4.9	7.2
NNE	1.0	1.0	2.0	.5	.4							5.0	7.9
NE	1.0	1.4	1.6	.5	.0							5.1	6.1
ENE	.4	1.4	1.0	.2	.0							3.0	6.4
E	.8	2.0	1.1	.2								4.2	6.0
ESE	.4	1.2	1.6	.7	.2	.0						4.2	8.4
SE	.6	2.2	3.2	1.7	.4	.2						8.3	9.1
SSE	.3	1.0	3.4	4.5	1.3	.7		.0				11.1	12.2
S	.7	1.0	2.6	5.0	1.9	.5	.3	.2				12.2	13.2
SSW	1.3	1.0	.9	1.0	.9	.4	.2					5.7	10.8
SW	2.0	1.7	1.3	.6	.2	.2						6.0	6.8
WSW	.3	.4	.3	.2	.0							1.2	6.7
W	.3	.7	.6	.4	.1							2.3	7.6
WNW	.3	.3	.5	.0								1.2	6.4
NW	.2	.8	.7	.1								1.9	6.5
NNW	.4	.5	.9	.6	.0	.0						2.9	8.0
VARBL													
CALM												20.7	
	11.8	18.5	23.5	17.0	5.7	2.1	.5	.2				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

2288

4  
DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AFB  
STATION NAME

39-45, 48-49, 57-71  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.4	1.4	.3	.1							5.0	5.9
NNE	1.0	2.1	1.7	.3	.2	.0						5.3	6.9
NE	1.7	2.1	1.4	.4	.0							5.8	5.8
ENE	.1	.9	.6	.3	.0							2.2	7.3
E	1.0	.9	.8	.4	.2							3.3	6.7
ESE	.4	1.2	1.0	.6								3.2	7.2
SE	.7	1.4	2.5	2.2	.4							7.1	9.6
SSE	.3	1.6	2.9	3.4	.8	.2						9.4	10.9
S	1.1	1.9	3.8	6.1	2.2	.3	.1					15.5	11.6
SSW	.7	1.2	2.2	2.0	.5	.3	.2					7.0	10.6
SW	1.9	1.4	1.2	.5	.3							5.3	6.6
WSW	.4	.5	.3	.2	.1							1.4	6.9
W	.3	.6	.7	.1								1.6	6.3
WNW	.1		.3									.4	6.7
NW	.3	.2	.7	.2								1.5	7.4
NNW	.3	.7	.3	.2	.0							1.6	6.7
VARBL													
CALM												24.4	
	12.3	10.0	22.0	17.1	5.0	.9	.3					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

2139



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-49, 57-72  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.0	.8	.5	.0							5.0	5.7
NNE	1.3	2.0	1.1	.3	.1							4.0	6.0
NE	2.0	1.8	1.3	.4								5.4	5.4
ENE	.7	.9	.8	.4	.1							2.9	7.3
E	.8	1.3	.8	.7								3.6	6.7
ESE	.7	.7	1.1	.6	.2							3.2	7.9
SE	1.1	1.2	1.8	.9	.3							5.3	7.9
SSE	.8	.7	2.2	2.2	.5	.1						6.7	10.2
S	2.0	2.7	4.1	3.1	1.0	.2	.1					13.2	9.2
SSW	1.4	2.6	2.4	1.5	.6	.4	.1					8.9	8.9
SW	1.8	1.8	1.6	.7	.2							6.0	6.5
WSW	.7	.8	.5	.0	.0	.0						2.2	5.6
W	.9	.3	.7	.1								2.0	5.2
WNW	.3	.4	.6	.1	.0							1.4	7.2
NW	.3	.4	.4		.0							1.2	6.2
NNW	.3	.4	.7	.1	.0		.0					1.7	7.8
VARBL													
CALM												26.5	
	16.7	19.9	20.9	11.7	3.3	.8	.3					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 2146

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.4	1.3	.4	.2	.1	.0					4.5	7.5
NNE	1.1	1.4	1.5	.4	.1	.0						4.5	6.6
NE	1.6	2.1	2.2	.6								6.5	6.3
ENE	.7	1.1	1.2	.6								3.6	6.9
E	.6	1.3	1.4	.4	.0							3.8	6.9
ESE	.2	.6	1.3	.4	.2							2.9	8.6
SE	.6	1.0	2.0	1.5	.4	.0						5.4	9.6
SSE	.7	.8	2.1	1.5	.9	.2	.0					6.2	10.8
S	1.3	2.9	3.9	4.0	1.3	.4	.1	.0				14.1	10.2
SSW	1.0	2.0	2.7	3.4	1.2	.5	.0					10.8	11.0
SW	2.2	2.0	2.1	.9	.5	.1						8.4	7.1
WSW	.5	1.1	.8	.2								2.2	5.7
W	.6	.4	.8	.1								2.1	6.1
WNW	.1	.5	.4									1.1	6.0
NW	.2	.4	.7	.1								1.4	6.9
NNW	.3	.6	1.1	.4	.1							2.6	8.1
VARBL													
CALM												19.9	
	12.6	20.8	25.2	14.9	4.9	1.5	.2	.0				100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

2246

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.6	2.4	1.0								5.6	7.8
NNE	.5	1.0	1.9	1.0	.0							4.4	8.4
NE	.6	1.6	2.4	.8	.0							5.5	7.6
ENE	.2	1.1	2.3	.7	.0							4.3	8.1
E	.5	1.0	2.2	.9								4.6	8.0
ESE	.5	.7	1.4	1.0	.4	.1						3.9	10.2
SE	.7	.8	2.0	2.0	.4	.1						5.9	9.7
SSE	.3	1.1	2.0	2.7	1.0	.2	.0					7.4	11.5
S	.6	1.7	3.6	7.1	2.4	.9	.1					16.1	12.2
SSW	.5	1.0	3.2	5.0	2.5	1.2	.3					13.6	13.4
SW	.8	1.2	3.6	1.6	1.2	.2						8.5	10.1
WSW	.4	1.7	1.5		.1							4.1	7.0
W	.7	.9	.5	.2								2.4	5.8
WNW	.2	.4	.4	.3	.0							1.3	7.4
HW	.5	.9	1.1	.3	.1							2.9	7.5
NNW	.3	.9	1.7	.3	.1							3.3	8.0
VARBL													
CALM												6.4	
	7.5	17.7	32.2	22.0	8.3	2.3	.4					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 2252

4

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.2	3.2	1.1	.2	.0						4.3	8.8
NNE	.1	.5	1.9	.6								3.4	9.4
NE	.5	1.2	2.2	.8	.0							4.8	7.9
ENE	.4	1.1	1.7	.5	.0							3.8	7.6
E	.5	1.3	1.7	1.0	.1	.0						4.6	8.2
ESE	.2	1.0	2.0	.8	.3							4.2	9.0
SE	.4	1.5	2.3	1.5	.4	.3	.1					6.5	10.1
SSE	.3	1.3	2.6	3.9	1.3	.3	.0					9.7	11.7
S	.5	1.5	5.4	8.0	2.9	.8	.2					19.2	12.7
SSW	.3	1.2	2.7	3.2	2.1	1.4	.2					11.0	13.8
SW	.7	1.4	2.4	1.6	1.0	.3	.0					7.4	10.4
WSW	.4	1.1	.8	.4	.0							2.7	7.2
W	1.0	.9	1.2	.3			.0			.0		3.5	7.0
WNW	.4	.9	.7	.4								2.4	6.6
NW	.6	1.0	1.2	.5								3.3	7.3
NNW	.6	1.0	1.5	.5	.1							3.7	7.3
VARBL													
CALM												3.5	
	7.5	18.0	32.5	25.3	8.4	3.2	.6			.0		100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

2239

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.2	2.4	1.5	.0							6.4	7.9
NNE	.4	1.3	2.3	1.0	.1							5.1	8.3
NE	.3	1.6	2.5	.7	.0							5.1	8.0
ENE	.3	1.3	1.7	.9								4.2	8.2
E	.6	1.0	1.9	.8	.1							4.4	8.2
ESE	.3	.8	1.6	.9	.1	.0						3.6	8.9
SE	.5	1.4	2.6	1.8	.6	.2	.0					7.2	10.3
SSE	.3	1.2	3.5	4.2	1.7	.3						11.3	12.1
S	.5	1.5	6.2	8.4	3.3	1.6	.3					21.9	13.1
SSW	.2	.4	2.5	1.9	1.9	.8	.2	.0				8.1	13.9
SW	.5	.9	1.4	.7	.9	.2						4.6	10.6
WSW	.2	.0	.8	.3	.0							1.9	7.6
W	.6	.8	1.0	.1								2.5	6.1
WNW	.3	.7	.9	.1								2.0	6.3
NW	.9	.9	1.4	.5	.1							3.8	7.0
NNW	.4	1.0	1.2	.7					.0			3.3	7.9
VARBL													
CALM												4.5	
	7.5	16.6	33.8	24.7	9.1	3.1	.5	.0	.0			100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

2195

4

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-49, 57-72  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.7	2.3	1.0	.1							5.8	0.0
NNE	.5	1.5	1.9	.6	.0							4.5	7.4
NE	.8	2.2	1.7	.4								5.2	6.2
ENE	.7	1.7	2.0	.7	.0							5.1	7.1
E	1.3	2.6	1.9	.6								6.4	6.1
ESE	.7	1.7	2.2	1.0	.0							5.6	7.6
SE	.7	2.7	3.7	1.3	.5	.1	.0					9.0	8.6
SSE	.6	2.8	5.6	5.3	1.7	.2	.1					16.2	10.7
S	.7	2.2	5.0	6.2	2.1	.2	.1	.2				17.0	11.9
SSW	.3	.5	1.2	.8	.4	.1						3.4	10.6
SW	.7	.5	.7	.3	.1	.0						2.4	7.2
WSW	.3	.3	.2	.0								.9	5.1
W	.4	.5	.3		.0							1.2	5.4
WNW	.0	.4	.3	.0								.8	6.6
NW	.5	.9	.5	.2		.0						2.1	6.2
NNW	.6	1.0	.8	.3								2.8	6.5
VARBL													
CALM												11.7	
	9.5	23.4	30.2	16.7	5.2	.9	.3	.2				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

2102

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-49, 57-72  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.4	1.5	.5				.0				4.6	6.9
NNE	.8	1.6	1.4	.6	.1							4.5	6.8
NE	1.6	1.4	1.9	.3	.0							5.7	5.9
ENE	.0	.4	.8	.4	.0							2.8	6.5
E	1.3	1.9	1.3	.3								4.8	5.7
ESE	1.0	1.5	1.8	.8	.1							5.1	7.1
SE	.5	2.7	4.1	2.9	.5	.0						10.7	9.3
SSE	.4	1.5	4.8	6.3	1.8	.5						15.3	11.8
S	.7	1.2	2.5	5.1	2.7	1.1	.1	.0				13.3	13.5
SSW	.4	.5	.8	.6	.6	.1	.0					3.1	11.1
SW	1.2	1.0	.5	.3	.1	.0						3.2	6.1
WSW	.4	.0	.1	.0								.6	5.2
W	.1	.3	.1	.1								.7	6.3
WNW	.2	.2	.2	.1	.1							.8	8.2
NW	.3	.3	.4	.1								1.1	6.2
NNW	.3	.5	.6	.3	.0							1.7	7.3
VARBL													
CALM												21.7	
	11.1	17.3	23.0	18.8	6.1	1.7	.2	.1				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 2122

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-49, 56-71  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.4	1.0	.1	.0	.0						3.8	5.7
NNE	1.4	1.0	1.3	.2	.0							4.0	5.8
NE	1.2	1.7	.7	.3								4.7	5.8
ENE	.5	.9	.4	.0								1.8	5.1
E	.9	1.5	.8	.2								3.3	5.6
ESE	.5	.9	1.4	.5								3.2	7.5
SE	.5	1.6	2.7	1.8	.9	.1						7.3	9.6
SSE	.5	.9	2.9	2.3	.9	.2						7.6	10.7
S	1.0	1.8	4.2	5.7	1.0	.2						14.8	10.2
SSW	1.4	1.5	3.2	2.0	.6	.1						9.0	8.9
SW	2.3	1.2	1.6	1.1	.4	.1						6.7	7.5
WSW	.2	.4	.4	.0								.9	6.4
W	.4	.3	.3	.0			.0					1.0	6.0
WNW	.1	.1	.0									.3	3.7
NW	.3	.2	.3	.0	.2							.9	7.9
NNW	.5	.4	.5									1.5	5.5
VARBL													
CALM												28.9	
	14.3	16.0	21.5	14.7	3.7	.8	.0					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2219



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-49, 56-72  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0300-0530  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.3	.8	.1	.0							4.2	4.9
NNE	1.3	1.3	.7	.1	.0							3.6	4.8
NE	1.8	2.0	1.4	.2		.0						5.5	5.6
NNE	.5	.5	.5	.5	.5							2.1	5.4
E	.8	.9	.5	.2								2.5	5.5
ESE	.3	.9	.8	.8	.0			.0				2.9	8.7
SE	.5	1.1	1.6	1.0	.2	.1						4.4	8.8
SSE	.4	.4	1.4	.9	.3							3.9	8.8
S	2.2	2.9	3.2	2.7	.3	.1						11.4	7.9
SSW	2.4	3.3	3.0	1.6	.2	.0						10.6	6.9
SW	3.2	3.0	1.9	.6	.4	.1						9.3	6.2
WSW	1.1	.7	.4		.0							2.3	4.7
W	.4	.5	.3	.0	.0							1.1	5.6
WNW	.0	.2	.1									.3	5.6
NW	.2	.2	.2									.6	5.4
NNW	.1	.5	.2		.0							.8	6.2
VARBL													
CALM												34.4	
	17.3	20.4	17.1	8.5	1.7	.4		.0				100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 2245

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-49,56-72  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.4	.7	.2	.1	.0						3.7	5.3
NNE	1.6	1.5	1.3	.4								4.8	5.8
NE	2.0	2.5	1.9	.4								6.8	5.6
ENE	.4	1.4	.8	.2								2.7	6.0
E	1.0	1.3	.9	.4	.0							3.7	6.0
ESE	.4	.9	1.0	.4		.0						2.8	7.2
SE	.5	1.3	1.6	1.0	.2							4.6	8.3
SSE	.4	1.0	1.5	1.2	.2	.1						4.3	9.3
S	1.7	2.6	3.5	2.7	.4	.0						11.0	8.4
SSW	2.1	3.5	4.3	2.7	.6	.2						13.5	8.4
SW	2.2	3.3	3.6	.9	.2	.1	.0					10.5	7.0
WSW	.8	.7	.8	.1								2.1	5.3
W	.5	.4	.2	.1								1.7	5.9
WNW	.2	.1	.2	.0								.1	6.4
NW	.3	.4	.2	.0								.1	4.7
NNW	.4	.4	.3	.1	.0							1.3	6.3
VARBL													
CALM												25.3	
	15.9	22.7	22.6	11.0	2.0	.5	.0					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 2460

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-49,56-72  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.4	1.4	.6								4.3	6.6
NNE	.3	1.7	2.0	.5								4.6	7.4
NE	.6	2.0	2.1	.7	.0							5.4	7.2
ENE	.4	1.7	1.5	.4								4.0	6.7
E	.5	1.4	1.9	.4								4.5	6.7
ESE	.5	1.3	1.9	.6	.1							4.3	7.7
SE	.6	2.0	2.9	1.3	.2							7.3	8.1
SSE	.3	1.2	2.2	1.5	.4							5.8	9.8
S	.3	2.5	5.2	4.2	1.1	.2						14.1	10.0
SSW	.4	2.6	5.3	5.4	1.6	.2	.0					15.1	11.1
SW	.8	1.5	4.5	2.7	.9	.3						10.8	10.0
WSW	1.0	1.5	.9	.5	.0							3.9	6.3
W	.9	1.2	.6	.0								2.7	4.9
WNW	.3	.4	.1									.8	4.8
NW	.3	.5	.6	.2		.0						1.6	7.5
NNW	.6	.8	.4	.3	.0							2.1	6.2
VARBL													
CALM												8.9	
	9.7	23.1	33.5	19.5	4.5	.9	.0					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 2462

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-49, 56-72  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.6	1.7	.7	.0							5.1	6.7
NNE	.7	1.5	1.8	.6	.1							4.6	7.3
NE	.7	1.8	2.9	.7	.1							6.2	7.4
ENE	.4	1.3	2.2	.3								4.7	6.8
E	.8	2.3	2.6	.8	.0							6.6	7.3
ESE	.4	1.2	2.1	.5								4.2	7.4
SE	.4	1.6	3.5	1.4	.4	.1						7.4	9.1
SSE	.4	1.8	3.1	2.5	.8	.2						8.8	10.1
S	.5	2.8	5.9	6.1	1.9	.4						17.5	11.0
SSW	.4	1.1	4.1	4.9	2.0	.3						12.8	12.1
SW	.7	1.2	2.2	2.1	.8	.0	.1					7.1	10.6
WSW	.7	.6	.9	.3	.1							2.6	7.1
W	.7	.7	.9	.3								2.6	6.1
WNW	.2	.3	.3									.9	5.7
NW	.2	.7	.4	.2		.0						1.6	7.1
NNW	.3	1.3	.9	.2								2.7	6.5
VARBL													
CALM												4.9	
	8.4	22.0	35.4	21.6	6.3	1.1	.1					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 2453

4

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-49.56-72  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1800-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS); DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.9	2.3	.8								5.9	7.2
NNE	.7	1.3	1.9	.6	.1							6.8	7.6
NE	.8	2.6	3.0	1.1	.0							7.3	7.4
ENE	.6	1.3	1.5	.3								3.6	6.4
E	.5	6.0	6.4	.5								5.9	7.0
ESE	.3	1.2	2.7	.8	.0							5.1	8.2
SE	.9	1.6	3.2	1.9	.3	.1						7.9	8.7
SSE	.6	1.3	4.6	3.0	1.0	.3	.0					10.9	10.5
S	.9	2.3	6.3	7.6	2.0	.2						19.2	11.2
SSW	.3	.7	2.6	4.5	1.4	.5						10.0	12.8
SW	.3	1.1	1.9	2.3	.6	.2	.0					6.4	10.9
WSW	.6	.3	.5	.1	.1	.0						1.2	7.8
W	.9	.6	.4	.0								1.5	5.4
WNW	.1	.2	.2	.0	.0							.7	6.8
NW	.2	.5	.6	.1								1.4	6.2
NNW	.4	.7	.7	.2	.0							2.0	6.6
VARBL													
CALM												5.8	
	3.0	19.9	34.8	24.3	5.6	1.4	.1					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 2411

4

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-49, 56-72  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.7	1.8	.5	.0							4.9	6.7
NNE	.7	1.3	1.1	.3	.0							3.5	6.3
NE	1.3	2.5	2.3	.5								6.7	6.4
ENE	1.0	2.6	1.2	.1	.0							4.9	5.5
E	1.7	4.1	2.2	.5								8.4	5.9
ESE	.7	2.0	2.3	.8								5.8	7.2
SE	1.1	3.4	4.9	2.2	.1	.0						11.7	7.9
SSE	.7	2.1	6.1	3.3	.3	.2						12.6	9.4
S	1.1	3.9	7.1	5.5	1.8	.4						19.9	10.1
SSW	.5	.5	1.6	1.2	.3	.1						4.2	9.7
SW	.3	.5	.7	.4	.2	.1						2.2	9.5
WSW	.1	.2	.1									.4	5.0
W	.3	.2	.2									.6	5.0
WNW	.1	.2	.1									.4	5.8
NW	.4	.4	.1									1.0	4.2
NNW	.5	.5	.6	.1								1.5	6.5
VARBL													
CALM												11.3	
	11.2	26.0	32.2	15.5	2.8	.8						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 2223

4

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

13947  
STATION

FUPT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-49, 56-72  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.5	.6	.1		.0						2.8	5.5
NNE	.9	1.2	.6	.1								2.8	5.4
NE	2.0	1.3	1.5	.6								5.4	6.0
ENE	.7	1.2	.6	.2								2.8	5.7
E	1.4	2.3	1.9	.4	.0							5.0	2.9
ESE	1.1	1.6	1.9	.7								5.4	6.7
SE	.6	3.1	4.7	2.8	.8							12.0	7.1
SSE	.3	1.4	4.7	4.7	.9	.4						12.5	11.2
S	1.2	1.8	4.7	5.4	2.1	.6						15.7	11.4
SSW	.7	.9	1.0	.9	.4	.0						4.0	9.1
SW	.6	.4	.2	.4	.4							2.2	9.0
WSW	.0	.1	.0	.1								.3	7.7
W	.1	.3	.1									.5	4.8
WNW	.2		.0									.2	3.4
NW	.3	.2	.1	.0								.7	3.0
NNW	.3	.2	.1	.1	.0							.8	6.0
VARBL													
CALM												26.1	
	11.2	17.7	22.8	16.7	4.5	1.1						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 2224

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-70  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.2	.7	.3	.0	.0						3.5	5.9
NNE	1.5	1.1	1.1	.2	.1							4.1	5.6
NE	2.2	1.2	1.1	.4	.1							4.9	5.6
ENE	.7	1.0	.7	.1								2.5	5.6
E	.6	1.0	.7	.2		.1						2.7	6.4
ESE	.3	.7	1.1	.1								3.0	8.3
SE	.5	1.1	3.0	2.2	.5	.4						7.4	10.3
SSE	.3	.8	2.1	3.0	1.1	.1						8.4	11.3
S	1.6	1.5	4.0	5.7	1.3	.3						14.3	10.7
SSW	.7	1.7	3.1	3.7	.3	.2						10.3	10.3
SW	1.8	1.4	1.4	.4	.0							5.1	5.7
WSW	.3	.4	.1	.1		.0						.9	6.0
W	.4	.2	.2	.0	.0							.9	5.3
WNW	.0	.0	.1	.2	.0							.4	10.4
NW	.2	.4	.1	.5								.8	5.4
NNW	.1	.4	.2	.1								.8	7.3
VARBL													
CALM												30.0	
	12.5	14.0	20.7	17.6	4.2	.9						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

2271



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0300-0700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.5	1.2	.4	.1							4.8	5.9
NNE	1.3	1.5	.6	.1								3.6	4.4
NE	1.8	2.1	1.0	.4	.0							5.3	5.4
ENE	.8	1.0	.6	.1								2.5	4.9
E	.7	1.1	.3	.3								2.5	5.8
ESE	.7	.9	.5	.6								2.3	6.9
SE	.5	1.2	1.6	1.5	.3	.0						5.0	9.3
SSE	.5	.6	1.5	1.3	.4	.0	.0					4.4	10.2
S	2.4	2.6	2.9	2.9	.6	.1	.0					11.6	8.5
SSW	1.8	3.2	3.8	2.1	.5	.1	.0					11.5	8.1
SW	2.1	2.5	1.6	.3	.1	.0						6.9	5.9
WSW	.4	1.0	.3									1.7	4.9
W	.3	.4	.2	.1								1.0	5.3
WNW	.2	.2	.1	.1								.6	5.4
NW	.2	.5	.3		.0							1.0	5.7
NNW	.3	.2	.4	.1	.0							1.2	7.1
VARBL													
CALM												34.1	
	15.5	20.3	16.9	10.6	2.2	.3	.1					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 2325

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.4	1.2	.6	.1							5.0	6.0
NNE	1.7	1.2	1.4	.2	.0							4.5	5.5
NE	2.3	2.2	1.7	.5								6.6	5.5
ENE	.8	1.2	.6	.2	.0							2.8	5.8
E	1.0	1.1	1.2	.2								3.5	5.6
ESE	.5	.8	1.0	.4	.2							2.9	7.8
SE	1.1	1.1	1.9	1.1	.4							5.6	8.3
SSE	.4	1.0	1.1	1.1	.2	.1	.0					3.9	9.4
S	1.8	2.1	2.9	2.1	.6	.1						9.7	8.6
SSW	1.6	4.1	4.4	3.0	.5	.2	.0					13.9	8.6
SW	2.3	2.7	2.4	.9	.4	.0						8.7	6.8
WSW	.9	.8	.4	.0	.0							2.1	4.8
W	.5	.4	.2									1.2	4.4
WNW	.3	.2	.1									.6	4.5
NW	.2	.2	.2	.2								.8	6.9
NNW	.3	.3	.4	.1								1.1	6.9
VARBL													
CALM												27.1	
	17.4	20.8	21.1	10.6	2.6	.4	.1					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 2517

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.2	1.5	.8	.1							4.9	7.1
NNE	.7	1.4	1.8	.7	.1							4.6	7.3
NE	.8	1.4	3.2	1.1	.0							5.6	7.9
ENE	.5	1.1	1.1	.3								3.0	6.5
E	.8	1.9	2.5	.8	.0							6.1	7.2
ESE	.4	1.1	1.6	.6	.1							3.8	7.7
SE	.8	1.5	2.6	1.2	.4	.0						6.6	8.6
SSE	.5	1.2	2.2	1.5	.4	.2	.0					5.9	9.8
S	1.1	1.7	5.3	4.5	1.0	.4	.0	.0				14.0	10.6
SSW	.9	1.7	4.8	5.8	2.4	.6	.1					16.4	11.7
SW	1.0	1.5	3.0	3.3	.5	.2						9.5	9.8
WSW	.6	1.5	1.7	.6		.0						4.4	7.1
W	.7	1.3	.6	.1								2.6	5.1
WNW	.3	.4	.6									1.3	6.0
NW	.3	.7	.2	.1								1.5	4.9
NNW	.4	.6	.8	.2								1.9	6.7
VARBL													
CALM												6.9	
	11.2	20.1	33.6	21.5	5.0	1.5	.2	.0				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 2541

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49, 56-72  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.4	2.0	1.0	.1							5.3	7.8
NNE	.6	1.7	2.2	.7	.0							5.3	7.6
NE	.4	2.1	3.3	1.2	.2							7.2	8.4
ENE	.1	1.4	1.2	.3	.0							3.2	6.9
E	.7	1.8	2.2	.4	.0	.0						5.1	7.0
ESE	.4	1.3	2.2	.7	.1							4.8	7.9
SE	.6	1.2	3.1	1.6	.9	.1						7.1	9.4
SSE	.3	1.3	3.6	2.9	.8	.1						8.9	10.4
S	.6	1.5	4.8	5.8	2.1	.4	.0					15.2	11.8
SSW	.4	1.1	3.8	5.9	2.0	1.1	.1					14.4	12.9
SW	.3	1.3	2.7	2.2	.7	.4						7.8	11.0
WSW	.3	.9	1.3	.4	.0							2.9	7.7
W	.7	1.1	.9	.2								2.9	5.8
WNW	.5	.5	.4	.1								1.6	5.8
NW	.4	.7	.6	.2		.0						1.9	6.8
NNW	.4	.6	1.0	.4	.0							2.4	7.8
VARBL													
CALM												3.9	
	8.0	20.0	35.3	23.8	6.6	2.3	.2					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 2550

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.6	2.7	1.1	.1							6.5	7.6
NNE	.8	1.3	2.2	.7	.1		.0					5.1	7.9
NE	1.0	2.1	3.1	1.1	.2							7.5	7.5
ENE	.4	1.5	2.2	.7								4.7	7.7
E	1.1	2.3	2.9	.8								7.1	6.9
ESE	.5	1.3	1.4	1.0	.0	.1						4.3	8.2
SE	.5	1.8	3.4	1.8	.4							7.8	9.0
SSE	.4	1.4	4.0	3.9	1.6	.2						11.4	11.3
S	.4	1.9	4.3	7.0	2.4	.6	.0					16.5	12.1
SSW	.1	1.0	2.5	4.9	1.9	.8	.0					11.2	13.5
SW	.8	1.0	1.2	1.5	.4	.4						5.2	10.4
WSW	.2	.8	.4	.2								1.6	6.3
W	.6	.8	.6	.0								2.1	5.3
WNW	.3	.2	.5	.0								1.0	6.3
NW	.4	.6	.5	.2								1.7	6.3
NNW	.2	.6	.8	.4	.0							2.0	7.8
VARBL													
CALM												4.3	
	8.6	20.2	32.5	25.2	7.1	2.1	.1					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 2509

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-45, 47-49, 56-72  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.9	1.3	.5	.1		.0					5.1	6.4
NNE	1.1	1.3	1.3	.3	.0							4.0	6.2
NE	1.3	1.6	2.7	.4	.1							6.4	6.5
ENE	1.0	2.6	1.5	.5		.0						4.9	5.1
E	1.2	3.2	2.6	.4								7.4	6.2
ESE	.9	2.1	2.7	.8								6.5	7.0
SE	1.3	2.9	5.2	2.3	.6	.1						12.4	8.6
SSE	.4	3.3	5.3	4.6	1.0	.1						14.8	10.1
S	.8	2.4	3.8	4.7	.9	.2						14.8	9.9
SSW	.4	.9	1.4	1.2	.3	.1	.0					4.3	9.9
SW	.5	.6	.5	.1	.1	.0						1.9	6.8
WSW	.1	.3	.0									.5	4.3
W	.3	.1	.2	.2								.7	6.8
WNW	.2	.1	.0	.0	.0							.5	5.7
NW	.3	.4	.3	.0			.0					1.1	6.8
NNW	.4	.4	.2									1.0	4.8
VARBL													
CALM												13.7	
	11.4	24.1	31.0	15.6	3.2	.6	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 2329

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,48-49,56-72  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.9	1.8	.8	.3	.1							3.9	5.7
NNE	.8	.8	.5	.4								2.5	6.2
NE	1.8	2.0	1.3	.2	.2							5.5	5.5
ENE	.6	1.4	.6	.0	.0							2.7	5.5
E	1.0	2.2	2.0	.1								5.4	5.9
ESE	.4	1.7	2.1	1.1	.0							5.3	7.9
SE	.8	2.4	4.6	4.2	.6	.3						12.9	10.0
SSE	.6	1.0	5.2	5.5	1.7	.4	.0					14.5	11.5
S	.9	1.3	3.1	6.0	1.6	.7	.1					14.0	12.3
SSW	.4	.5	.9	.9	.5	.0						3.3	10.6
SW	.9	.7	.8	.1	.1							2.6	6.0
WSW	.3	.1	.1									.5	4.3
W	.4	.2	.2									.8	4.2
WNW	.0	.1		.0	.0							.2	8.2
NW	.2	.3	.2	.0								.7	5.9
NNW	.4	.3	.2									.8	4.4
VARBL													
CALM												24.2	
	10.6	16.9	22.6	19.0	5.1	1.4	.1					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 2253

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-49,56-70  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.7	1.7	.6	.2							5.3	6.8
NNE	1.2	1.6	1.0	.8	.0	.0						4.6	6.8
NE	2.0	2.0	1.4	.6	.1	.0						6.1	6.1
ENE	.9	1.0	1.2	.2	.0							3.4	6.4
E	1.0	1.0	1.6	.2								3.3	5.7
ESE	.2	.5	.8	.4	.0		.0					2.0	8.7
SE	.7	1.2	2.0	1.4	.3	.1						5.6	9.1
SSE	.3	.5	2.6	2.0	1.1	.3						6.7	11.9
S	1.2	1.2	2.5	4.7	1.7	1.0	.1					12.4	12.5
SSW	.7	1.4	1.7	1.7	1.0	.5						7.1	11.1
SW	1.4	1.4	1.2	.6	.4	.2	.1					5.9	7.7
WSW	.3	.8	.2									1.3	4.8
W	.5	.2	.1	.0								.9	4.2
WNW	.1	.2	.0	.1	.0							.4	7.4
NW	.2	.5	.4	.1								1.1	6.1
NNW	.4	.4	.6	.2	.1							1.7	7.6
VARBL													
CALM												32.0	
	12.1	16.0	18.6	13.6	5.1	2.2	.2					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2247



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.6	1.5	.8	.2							5.7	6.9
NNE	1.4	2.0	1.7	.7	.1		.0					5.9	6.8
NE	2.3	1.7	1.4	.3	.1	.0						5.9	5.6
ENE	.6	1.3	1.1	.2	.0							3.3	6.4
E	.9	.5	.7	.3	.0							2.4	6.0
ESE	.5	.6	.9	.6	.1							2.4	8.9
SE	.5	.6	.9	.7	.1							2.9	8.5
SSE	.3	.6	1.1	1.2	1.0	.3						4.5	12.3
S	1.4	1.4	2.2	3.0	1.4	1.0	.0					10.6	11.4
SSW	1.4	1.5	2.6	1.8	1.0	.3						8.6	9.8
SW	2.3	2.2	2.2	.7	.3	.3						8.1	7.2
WSW	.5	.8	.4	.1		.0						1.9	5.8
W	.4	.4	.3	.1								1.2	5.4
WNW	.0	.1	.1									.3	6.1
NW	.3	.5	.3	.0								1.1	6.0
NNW	.2	.6	.9	.2								1.9	7.3
VARBL													
CALM												33.2	
	14.2	16.4	18.4	11.0	4.9	1.9	.1					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 2287

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.0	1.8	.7	.1							5.9	6.7
NNE	1.3	1.8	1.6	.6	.2							5.5	6.8
NE	2.6	2.2	2.6	.8	.1	.1						8.3	6.4
ENE	.3	.9	.8	.3								2.3	6.8
E	.6	1.0	.9	.3								2.9	6.3
ESE	.4	.4	.6	.4	.2							2.1	8.7
SE	.7	.6	.9	1.0	.2	.0						3.4	8.8
SSE	.5	.5	1.2	.9	.4	.3	.0	.0				3.9	11.5
S	1.5	1.8	2.9	3.8	1.3	.4	.1					12.0	10.9
SSW	1.2	2.1	2.6	2.7	1.1	.5						10.2	10.2
SW	2.3	2.3	2.2	1.5	.4	.1						9.0	7.4
WSW	.4	.8	.4	.0								1.7	5.0
W	.7	.4	.2	.0								1.3	4.6
WNW	.0	.1	.3	.0								.5	6.8
NW	.2	.4	.8	.2								1.7	7.2
NNW	.2	.5	.4	.1	.0							1.3	7.0
VARBL													
CALM												28.2	
	14.5	17.8	20.3	13.5	4.1	1.5	.2	.0				100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 2476

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49, 56-72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.5	3.2	1.1	.3	.0						7.5	8.2
NNE	.7	1.4	2.0	1.3	.4	.2						6.0	9.3
NE	.6	2.1	2.7	1.2	.2	.0						6.8	8.1
ENE	.5	1.0	1.6	.8	.1							4.0	8.0
E	.7	1.4	2.1	.2								4.4	6.5
ESE	.4	.5	1.4	.7	.0							3.0	8.1
SE	.6	.9	1.9	1.2	.1	.1						4.7	8.6
SSE	.2	.9	1.2	1.6	.7	.2						4.9	11.3
S	.4	1.9	4.3	5.4	2.1	1.6	.3					15.9	13.0
SSW	.8	.6	2.8	4.5	2.8	1.4	.0					12.9	13.7
SW	1.1	1.8	2.8	3.1	1.2	.9						10.8	11.4
WSW	.8	1.3	1.5	.6		.1						4.2	7.4
W	.6	1.0	.5									2.1	4.9
WNW	.2	.4	.3	.0								1.0	5.8
NW	.4	.4	.8	.4								1.9	7.8
NNW	.2	.5	1.4	.5	.1							2.7	8.0
VARBL													
CALM												7.3	
	9.1	17.4	30.5	22.4	7.9	4.5	.4					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 2514

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.6	3.2	2.5	.3	.0						8.1	9.5
NNE	.4	1.6	2.5	1.3	.4							6.2	8.8
NE	.3	1.8	3.0	1.2	.2							6.7	8.5
ENE	.5	.8	1.5	.6	.1							3.9	8.0
E	.7	1.4	1.9	.6	.1							4.8	7.4
ESE	.5	1.0	1.4	.3								3.0	7.5
SE	.3	1.3	2.3	1.3	.4							5.3	9.3
SSE	.3	.7	2.6	2.3	.7	.2	.1					6.8	11.4
S	.7	1.4	3.5	6.1	3.1	1.4	.4					16.6	13.6
SSW	.4	.8	1.8	4.0	3.4	1.3	.4	.0				12.5	15.2
SW	.6	1.1	2.3	2.3	1.1	.8	.2					8.5	12.4
WSW	.5	.8	1.1	.7	.1	.0	.0					3.3	8.3
W	.7	1.2	.9	.5								3.3	6.4
WNW	.3	.4	.8	.3								1.9	7.3
NW	.1	.8	1.3	.4								2.7	8.2
NNW	.2	.8	1.3	.8	.2							3.2	9.1
VARBL													
CALM												3.7	
	7.0	17.5	31.5	25.1	10.0	3.4	1.2	.0				100.0	10.4

TOTAL NUMBER OF OBSERVATIONS 2520

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

SFP  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.0	3.5	1.4	.4	.0						8.7	8.8
NNE	.7	1.1	2.2	1.2	.2	.1						5.4	8.6
NE	.6	1.8	3.0	1.0	.1	.2						6.6	8.2
ENE	.4	1.7	1.8	.7								4.6	7.5
E	.6	1.9	1.9	.3	.0							4.2	6.7
ESE	.3	.3	1.5	.7	.3							3.4	8.6
SE	.4	.9	3.2	1.7	.3	.0						6.6	9.5
SSE	.3	.9	2.8	2.2	1.2	.3	.1					7.7	11.8
S	.7	1.2	3.8	7.0	3.3	1.4	.3					17.9	13.6
SSW	.1	.8	2.2	3.7	2.5	1.4	.3					11.0	14.7
SW	.7	.9	1.6	1.1	.6	.7	.0					5.6	11.4
WSW	.6	.7	.4	.2	.0	.0						1.6	7.5
W	.6	.8	.7	.1	.0							2.3	5.8
WNW	.2	.8	.6	.3								1.8	7.0
NW	.4	.9	1.5	.2	.0							3.0	7.2
NNW	.2	.7	1.8	.6	.2	.0						3.6	9.0
VARBL													
CALM												5.4	
	7.1	18.1	32.4	22.9	9.1	4.2	.7					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 2497

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-45, 47-49, 56-72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.6	2.4	1.3	.1	.0						6.9	7.5
NNE	.6	1.7	1.0	.9	.1	.0						5.0	8.0
NE	1.8	2.1	1.8	.3	.1	.0				.0		5.8	6.4
ENE	.6	1.5	1.4	.3								3.7	6.4
E	1.1	2.0	2.1	.2								5.3	5.8
ESE	.4	1.3	1.2	.4		.0						3.4	5.8
SE	.9	2.1	2.2	1.5	.1							7.8	7.9
SSE	.9	1.5	4.2	4.4	1.2	.4	.0					12.4	11.3
S	1.0	2.4	4.8	5.6	2.0	1.2	.0					17.0	11.7
SSW	.9	.5	1.4	1.2	.6	.3						4.4	11.6
SW	.9	.5	.8	.3	.1	.2						2.4	8.7
WSW	.2	.3	.1									.6	4.6
W	.2	.2	.1	.0								.6	5.2
WNW	.2	.1	.2	.0								.6	5.8
NW	.2	.8	.4	.0								1.4	5.8
NNW	.5	.8	.8	.1								2.2	6.2
VARBL													
CALM												20.5	
	10.2	19.5	26.5	16.5	4.5	2.2	.1			.0		100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 2339

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.2	2.0	.8	.1							6.4	7.0
NNE	.6	1.5	1.2	.6	.2							4.3	7.4
NE	2.2	1.8	1.4	.5	.1							6.1	5.7
ENE	.6	.8	1.3	.2	.1	.0						3.0	7.1
E	1.0	1.4	1.1	.4								2.9	6.1
ESE	.4	1.3	.8	.4	.0							2.9	6.9
SE	.7	1.1	2.8	2.2	.5	.0						7.4	9.8
SSE	.3	1.4	3.8	3.7	1.8	.7						11.6	12.0
S	.9	1.0	2.5	4.7	2.5	1.7	.3					13.5	14.0
SSW	.4	.1	.8	1.8	.7	.5	.0					5.1	12.4
SW	.9	1.3	.7	.4	.1	.1	.0					3.7	7.3
WSW	.3	.3	.1	.0								.7	5.3
W	.4	.3	.2	.0								.8	5.2
WNW	.1	.3	.1	.0								.5	5.5
NW	.0	.3	.2	.0								.6	6.5
NNW	.3	.4	.9	.3	.0							2.0	7.6
VARBL													
CALM												27.5	
	10.2	16.3	20.1	16.2	6.3	3.1	.4					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 2272

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-70  
YEARS

GCT  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.2	2.0	1.9	.4	.3	.0						6.0	7.3
NNE	1.1	1.7	1.9	.3	.1							5.2	6.6
NE	1.6	1.4	.9	.4								4.3	5.3
ENE	.3	.3	.3	.0								1.0	5.5
E	.4	.5	.6	.1								1.6	6.1
ESE	.1	.4	.6	.4	.0							1.5	8.8
SE	.3	.3	1.2	1.4	.4	.3	.1					4.1	12.0
SSE	.3	.6	1.1	1.7	.6	.3	.0					4.5	12.1
S	1.5	.9	2.8	2.6	1.6	.7	.0					10.2	11.3
SSW	.6	2.4	2.5	1.8	.4	.3	.1					8.2	9.6
SW	2.1	3.3	2.2	1.0	.6	.2						9.7	7.2
WSW	1.2	1.3	.5	.2								3.1	5.1
W	1.0	.4	.4	.1								2.3	4.8
WNW	.3	.4	.3	.1								1.3	5.4
NW	.3	.3	.8	.3	.1							1.9	8.4
NNW	.5	.6	.9	.3	.1							2.5	7.3
VARBL													
CALM												32.8	
	13.1	17.5	18.7	11.5	4.3	1.9	.3					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 2322



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

GCT  
NORTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.2	1.8	.8	.2							6.2	6.8
NNE	1.1	2.2	1.9	.4	.0	.0						5.8	6.5
NE	1.4	1.5	1.8	.3	.1	.0						5.3	6.4
ENE	.8	.4	.3	.2								1.1	6.3
E	.3	.4	.2	.2								1.1	6.3
ESE	.1	.3	.3	.1								.8	7.4
SE	.3	.6	1.0	.9	.4	.3						3.4	11.2
SSE	.3	.9	1.2	1.2	.2	.3						3.8	11.2
S	1.5	1.7	2.5	2.5	1.3	.6						10.1	10.9
SSW	1.1	2.7	1.9	1.8	.9	.2						8.1	8.6
SW	2.9	3.1	2.5	.9	.3	.2						9.8	6.6
WSW	1.2	1.5	.9	.1	.0							3.0	5.4
W	.7	.8	.3	.0	.0							1.9	5.1
WNW	.3	.6	.5	.1	.0							1.6	6.6
HW	.3	.7	1.2	.2	.0							2.6	7.2
NNW	.3	.8	.7	.4	.0							2.3	7.6
VARBL													
CALM												32.2	
	13.6	19.5	19.2	10.3	3.3	1.6						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 2360

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.3	2.1	1.2	.2	.1						7.2	7.5
NNE	1.3	2.1	1.9	.5								5.8	6.5
NE	1.6	2.2	1.5	.4	.0							5.7	5.7
ENE	.3	.5	.7	.2								1.7	6.9
E	.5	.6	.4	.2								1.8	6.0
ESE	.2	.4	.4	.1	.0							1.1	6.6
SE	.3	.6	.6	1.0	.4	.3	.0					3.6	11.1
SSE	.3	.4	1.5	1.2	.3	.3	.0					4.0	11.4
S	1.3	1.4	2.7	2.2	1.3	.9	.0					10.0	11.0
SSW	1.4	1.9	2.5	1.4	.9	.2						8.3	8.9
SW	2.5	2.7	3.3	1.3	.9	.2						10.5	7.9
WSW	1.5	1.1	.7	.2								3.4	4.8
W	.7	.8	.3		.1							2.0	5.3
WNW	.2	.6	.7	.1	.1							1.7	7.3
NW	.3	.7	.7	.0	.1	.0						1.8	7.0
NNW	.3	.6	1.3	.4								2.7	7.8
VARBL													
CALM												28.8	
	14.6	18.9	21.2	10.4	4.0	2.1	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 2554

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

DCT  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.7	1.5	2.7	2.4	.6	.1						7.9	9.9
NNE	.9	1.6	2.5	1.0	.3							6.3	8.1
NE	.7	1.5	2.2	.7	.2							5.4	8.0
ENE	.1	.3	1.0	.3	.1							1.8	8.6
E	.6	.7	.9	.6	.1							3.0	7.5
ESE	.1	.6	1.0	.5	.0							2.3	8.6
SE	.4	1.0	1.3	1.1	.3	.0	.1					4.3	9.9
SSE	.3	.7	1.0	1.2	.8	.4	.1					4.4	12.6
S	1.0	1.2	2.1	4.3	2.0	1.4	.3	.0				12.4	13.6
SSW	.5	1.0	3.0	4.4	2.0	1.5	.2					12.5	13.6
SW	1.0	2.2	4.1	2.1	1.7	.7	.1					11.9	10.6
WSW	1.0	1.9	2.2	1.1	.1	.0						6.3	7.3
W	.8	.8	.9	.1	.0	.0						2.5	6.6
WNW	.2	.6	1.0	.3	.2							2.5	8.0
NW	.5	.4	.8	.8	.2							2.7	9.4
NNW	.1	1.0	2.2	.9	.3	.0						4.5	9.3
VARBL													
CALM												9.0	
	8.8	17.0	29.0	22.2	8.8	4.2	.8	.0				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 2599

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.4	4.1	3.1	.5	.1						9.8	10.4
NNE	.1	1.2	2.2	1.0	.2	.1						4.7	9.4
NE	.4	1.1	2.1	1.0	.2							4.9	8.8
ENE	.3	.7	1.2	.8								2.9	8.3
E	.5	.4	1.1	.4								2.5	7.3
ESE	.2	.5	.8	.5	.1							2.1	8.5
SE	.3	.5	1.6	1.0	.2	.2						3.8	10.1
SSE	.1	.5	1.5	1.0	.9	.5	.2	.0				5.5	13.9
S	.4	1.2	2.8	4.6	2.3	2.0	.3	.0				13.7	14.3
SSW	.2	.8	2.9	4.3	2.7	1.7	.5	.0				13.1	14.8
SW	.6	1.9	2.7	3.4	1.6	1.2	.3					11.7	12.6
WSW	.6	1.4	2.3	1.3	.2	.1						5.8	8.8
W	.5	1.5	1.9	.5	.1							4.5	7.5
WNW	.3	.5	1.3	.5	.1	.0						2.7	9.0
NW	.5	1.1	2.0	.8	.5							4.9	9.1
NNW	.2	1.0	2.1	1.0	.3							4.6	9.1
VARBL													
CALM												2.8	
	5.8	15.6	32.4	26.0	10.1	5.4	1.4	.1				100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 2588

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

UCT  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.5	3.2	3.1	.5	.1						9.5	10.0
NNE	.4	.8	1.9	.4	.2	.1						4.2	8.9
NE	.6	1.6	2.1	.7								5.1	7.4
ENE	.2	.8	1.0	.5	.0							2.6	7.9
E	.6	.8	.8	.2								2.4	6.1
ESE	.2	.7	.9	.3	.0							2.2	7.7
SE	.3	.9	1.8	1.5	.3	.2	.1					5.1	10.4
SSE	.2	.5	1.7	1.4	.7	.3	.1					4.9	12.3
S	.7	1.4	3.4	5.4	2.5	1.9	.3					15.3	13.6
SSW	.3	1.4	3.1	4.9	1.9	1.1	.3					13.0	13.3
SW	.5	1.9	2.6	2.4	1.4	.8	.1					9.7	11.7
WSW	.8	1.3	.9	.8	.2	.1						4.1	8.0
W	.9	1.4	1.4	.5	.1	.0						4.3	7.0
WNW	.8	.7	1.2	.5	.1							3.3	7.5
NW	.5	1.4	1.8	1.3	.0							5.1	8.3
NNW	.2	1.5	2.0	.8	.2	.0						4.8	8.6
VARBL													
CALM												4.4	
	7.9	18.7	30.5	25.2	8.3	4.2	.8					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 2589

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-45, 47-49, 56-72  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.6	2.4	1.0	.2							7.9	6.8
NNE	.7	1.2	1.5	.5	.1							4.0	7.1
NE	1.5	1.3	1.5	.2	.0							4.6	5.9
ENE	.5	.7	.8	.0								2.1	5.8
E	.5	1.0	.9	.2	.1							2.7	6.6
ESE	.5	1.3	.8	.4	.1							3.3	7.0
SE	.3	1.2	2.1	1.5	.5	.0	.0	.0				5.6	10.0
SSE	.2	1.0	2.7	2.2	.6	.2	.1					7.1	11.0
S	1.0	1.9	3.8	4.6	1.7	.3	.0					13.4	11.0
SSW	.7	1.8	2.4	1.0	.7	.0	.1					6.8	9.3
SW	1.2	1.7	1.7	.7	.3	.0						5.8	7.4
WSW	.7	.9	.1	.0	.0							1.7	4.7
W	.5	.6	.3	.1								1.6	5.4
WNW	.2	.4	.4	.2								1.1	6.7
NW	.6	.9	.5	.4	.0							2.5	6.6
NNW	.7	1.2	1.2	.4								3.3	6.6
VARBL													
CALM												26.3	
	11.7	19.6	23.1	13.9	4.4	.6	.3	.0				100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

2408

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-70, 72  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.3	1.8	1.0	.2	.1						5.7	7.8
NNE	1.4	1.4	1.8	.5		.0						5.1	6.9
NE	1.7	1.7	1.3	.3								4.9	5.3
ENE	.3	.4	.3	.1								1.1	6.2
E	.4	1.1	.4	.2								2.1	5.9
ESE	.3	.6	.9	.4	.1							2.3	8.1
SE	.3	.5	1.4	1.3	.6	.3		.0				4.4	11.8
SSE	.3	.4	1.7	2.4	.9	.3		.0				6.1	12.5
S	1.3	.9	3.5	4.5	1.7	.9	.0					12.8	12.1
SSW	.5	1.0	1.9	1.7	.8	.2	.1					6.2	11.0
SW	1.9	1.9	1.9	.7	.6	.1						7.0	7.5
WSW	1.1	1.1	.5	.2								2.9	5.3
W	.7	.7	.3	.2								1.9	5.3
WNW	.1	.4	.3	.2								1.0	7.0
NW	.2	.5	.6	.3	.1	.2						2.0	9.6
NNW	.6	.9	1.0	.5	.0							3.0	7.1
VARBL													
CALM												31.4	
	12.5	14.6	19.7	14.6	5.0	2.1	.2	.0				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 2345

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-70  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.1	2.5	1.5	.5							6.6	8.8
NNE	1.2	1.0	1.2	.7	.1							4.3	6.9
NE	1.6	1.6	1.6	.4	.0							5.2	5.9
ENE	.3	.4	.4	.2	.1							1.5	7.8
E	.3	.5	.1	.0								.9	4.9
ESE	.1	.1	.4	.4	.0							1.1	10.2
SE	.2	.4	.6	.4	.0							1.6	8.7
SSE	.3	.7	.7	1.1	.5	.4	.0					3.7	11.9
S	1.0	1.6	1.6	1.6	1.1	.7	.0					8.0	11.1
SSW	.8	2.3	2.6	1.6	.8	.7	.3	.1	.1			9.3	11.4
SW	2.4	3.6	3.1	.6	.4	.2	.1					10.3	6.9
WSW	1.0	1.6	.9	.1								3.6	5.2
W	.8	1.1	1.2	.1								3.2	5.7
WNW	.4	.7	1.0	.3								2.4	7.2
NW	.4	.9	1.6	.6	.3							3.9	8.5
NNW	.4	.6	2.3	1.2	.2	.0						4.9	9.2
VARBL													
CALM												29.6	
	12.4	18.4	21.9	11.0	4.1	2.0	.4	.1	.1			100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 2250



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	2.2	1.4	.3							6.0	8.4
NNE	.7	1.0	.9	.7	.1							3.4	7.3
NE	1.4	1.9	1.2	.6								4.7	6.2
ENE	.6	.4	.8	.2								2.0	6.5
E	.5	.3	.4	.2								1.4	5.7
ESE	.3	.5	.2	.2		.2						1.5	8.7
SE	.1	.3	.6	.4	.2	.0						1.6	9.9
SSE	.2	.4	.6	.4	.5	.1	.0					2.2	12.0
S	1.1	1.3	1.3	2.1	.8	.3	.1					7.0	10.3
SSW	1.6	2.5	3.0	1.8	.8	.4	.1	.2				10.4	9.7
SW	3.0	4.4	2.1	.5	.2	.1	.0					10.4	5.8
WSW	1.0	1.5	.7	.1		.0						3.4	5.4
W	1.0	1.2	1.1	.2		.1						3.5	6.0
WNW	.5	1.1	1.1	.3	.0							3.0	6.8
NW	.5	1.1	1.9	.7	.2	.0						4.3	8.6
NNW	.3	1.1	1.8	1.4	.4	.0						4.9	9.6
VARBL													
CALM												30.3	
	13.8	19.6	19.8	11.1	3.5	1.4	.3	.2				100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 2259

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49, 56-72  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.8	2.4	1.6	.4							7.2	8.5
NNE	1.3	1.3	1.2	.8	.1							4.7	6.8
NE	1.3	1.4	1.2	.6								4.6	6.4
ENE	.7	.4	.9	.3								2.3	6.6
E	.4	.4	.6	.6								1.4	6.0
ESE	.2	.2	.6	.2	.1	.0						1.3	8.9
SE	.2	.4	.6	.5	.3							2.0	10.2
SSE	.2	.7	.6	.6	.4	.2						2.8	11.2
S	1.7	1.5	1.4	1.3	.7	.2	.2	.0				7.1	9.3
SSW	1.8	2.8	2.3	1.8	.9	.4	.0	.1				10.1	9.0
SW	2.4	4.4	2.8	.5	.2	.2	.1					10.7	6.4
WSW	.6	2.2	1.4	.4	.1							4.9	6.1
W	1.2	1.1	.8	.3	.1							3.6	5.8
WNW	.6	.9	.8	.3	.2	.0						2.7	7.2
NW	.4	1.0	1.0	1.0	.1	.0						3.4	8.4
NNW	.5	.8	2.2	1.5	.2							5.2	9.2
VARBL													
CALM												26.0	
	14.6	21.4	20.9	11.8	3.8	1.1	.3	.1				100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 2504

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49, 56-72  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.2	3.0	2.0	.5	.3						6.1	10.3
NNE	.8	1.0	1.3	1.6	.2							4.9	8.7
NE	.6	1.2	1.5	.9	.2							4.3	8.3
ENE	.4	.8	1.1	.4	.0							2.6	7.4
E	.4	.9	.8	.2	.1							2.4	7.1
ESE	.3	.3	.7	.4								1.6	8.0
SE	.4	.6	.9	.4	.4	.0						2.7	9.0
SSE	.0	.6	1.5	1.0	.5	.1	.0					3.8	11.1
S	.4	1.0	1.5	2.5	1.0	.5	.3	.0				7.3	13.0
SSW	.6	1.5	3.2	2.7	1.4	.7	.4	.1				10.6	12.6
SW	2.0	2.8	4.7	2.8	.7	.2	.3	.2				13.4	9.4
WSW	1.1	2.2	2.5	.9	.0	.1	.0					6.9	7.4
W	.7	1.5	1.5	.4	.0							4.2	6.7
WNW	.4	.9	1.3	.8	.1	.2						3.5	7.1
NW	.4	1.1	1.6	1.6	.5	.1						5.5	10.1
NNW	.5	.7	2.5	2.8	.9	.0						7.4	11.1
VARBL													
CALM												10.8	
	9.4	18.2	29.7	21.7	6.5	2.2	1.0	.3				100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 2543

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49.56-72  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.4	3.4	3.1	.6	.2	.0					9.2	10.4
NNE	.6	.7	1.4	1.5	.3							4.5	9.5
NE	.3	.9	1.6	.7	.2							3.8	8.9
ENE	.2	.8	.8	.5	.0							2.2	7.9
E	.5	.7	.6	.2	.1							2.0	6.7
ESE	.2	.3	1.0	.3	.1							1.6	8.9
SE	.1	.4	1.0	.4	.3	.0						2.2	9.8
SSE	.1	.2	1.3	1.3	.3	.1	.0					3.4	11.9
S	.3	1.5	2.7	2.9	1.1	1.0	.2	.0				9.7	12.7
SSW	.5	.9	2.2	3.1	2.2	.9	.6	.1	.0			10.4	14.0
SW	1.2	1.7	4.2	4.0	.9	.7	.2					13.6	11.2
WSW	.7	1.8	3.1	1.7	.1	.1	.0					7.6	8.5
W	.5	1.3	3.1	1.0	.0							6.0	8.1
WNW	.4	.9	1.7	.8	.2							4.0	8.7
NW	.0	1.3	2.8	2.4	.4	.0						6.9	10.3
NNW	.1	1.2	2.6	3.3	1.4	.2						8.8	11.8
VARBL													
CALM												4.6	
	6.1	16.0	32.3	27.1	8.9	3.2	1.1	.1	.0			100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

2543

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.8	4.1	2.5	.6	.1						10.3	9.6
NNE	.4	.4	1.7	1.5	.2							4.3	9.6
NE	.6	1.0	1.5	.9	.1							4.6	8.1
ENE	.4	.6	.9	.3	.0							2.1	7.3
E	.7	.7	.9	.2								2.4	6.1
ESE	.4	.5	.7	.3								1.8	7.2
SE	.2	.5	1.2	.7	.0							2.6	8.9
SSE	.2	.7	1.7	1.6	.2	.1						4.5	10.8
S	.7	1.1	2.9	2.8	1.0	.6	.2					9.4	11.8
SSW	.6	1.2	3.4	3.6	1.5	.8	.4					11.4	12.7
SW	1.0	1.9	3.4	1.7	.6	.2	.3					9.1	9.7
WSW	.6	1.4	1.6	1.0	.1	.0						4.7	7.9
W	1.1	1.5	2.4	.6								5.6	6.6
WNW	.6	1.1	1.6	.7	.2							4.2	8.0
NW	.8	2.1	2.9	1.7	.3	.1						7.9	8.6
NNW	.6	1.5	3.3	2.1	.9	.1						8.6	10.0
VARBL													
CALM												7.0	
	9.4	16.0	34.0	22.5	6.0	2.0	.9					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 2532

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-45, 47-49, 56-72  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.2	2.9	1.3	.3	.0	.0					8.2	7.9
NNE	.7	.8	2.2	.9	.1							4.8	8.3
NE	1.1	1.3	.9	.6	.1							4.0	6.8
ENE	.2	.4	.3	.2								1.1	7.0
E	.9	.7	.6	.1								2.3	5.3
ESE	.3	.8	.9	.0								2.0	6.6
SE	.3	.8	1.9	.9	.0	.0						3.9	8.6
SSE	.2	.8	1.7	1.3	.3	.0						4.3	9.7
S	1.1	2.0	2.2	2.1	1.2	.3						9.0	10.0
SSW	1.2	2.9	2.4	1.8	.7	.3	.1	.0				9.4	9.3
SW	1.7	2.5	2.1	.9	.3	.2	.0					7.3	6.9
WSW	.8	1.1	.6	.1	.1	.0						2.8	6.1
W	.7	1.1	.6	.1								2.5	5.5
WNW	.3	.7	.3	.1	.0							1.4	6.2
NW	.8	1.7	1.8	.6	.3							5.3	7.4
NNW	.7	1.0	2.1	1.4	.1							5.3	8.6
VARIL													
CALM												26.5	
	12.4	20.8	23.4	12.0	3.6	1.4	.2	.0				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2359

4

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.7	3.9	1.7	.2							7.8	8.9
NNE	1.0	1.1	1.3	.7	.0							4.1	7.1
NE	1.2	1.5	1.0	.5	.2							4.4	6.9
ENE	.3	.4	.6	.2								1.5	7.1
E	.6	.7	.3	.0								1.6	4.7
ESE	.4	.5	.3	.1	.1							1.4	6.5
SE	.3	.5	1.4	.9	.2	.0						3.4	9.7
SSE	.0	.4	.9	1.4	.4	.3	.0					3.6	12.8
S	1.0	1.5	2.2	1.9	1.2	.8	.0					8.8	11.1
SSW	.6	2.0	2.1	2.0	1.0	.6	.2	.1	.5			8.6	11.6
SW	1.7	2.8	2.6	.5	.2	.2	.0					8.1	7.0
WSW	.8	1.1	.8	.3	.0							3.1	6.1
W	.7	1.1	.3									2.1	4.8
WNW	.3	.6	.7	.1	.1							1.8	6.9
NW	.7	1.4	1.7	.2	.2							4.5	6.9
NNW	.6	1.2	2.2	1.2	.2	.0						5.3	8.5
VARBL													
CALM												29.9	
	11.0	18.7	22.1	11.8	4.0	2.0	.3	.1	.0			100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

2302

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-70  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	2.0	1.2	.2	.1						6.5	7.8
NNE	1.1	1.4	2.0	1.0	.1							5.5	7.2
NE	1.1	1.8	2.3	.7	.3	.1						6.3	7.6
NNE	.4	.4	1.1	.3	.3							2.6	7.1
E	.6	.5	.7	.3	.1							2.3	7.7
ESE	.2	.3	.3	.3	.1							1.2	8.3
SE	.1	.1	.3	.2	.1							1.0	9.8
SSE	.4	.3	1.2	.7	.1	.1						3.1	9.3
S	1.0	1.5	1.6	1.5	.3	.3	.1					6.0	9.4
SSW	1.0	2.0	2.0	1.8	1.0	.5	.1	.0				8.4	10.7
SW	2.6	4.1	2.6	1.1	.5	.2						11.2	7.0
WSW	1.3	2.9	1.2	.2	.0							5.6	5.5
W	1.2	1.0	.7	.2								3.0	5.2
WNW	.6	.7	1.0	.4								2.8	7.1
NW	.9	1.2	1.3	1.0	.3	.1						4.9	8.8
NNW	.6	1.0	1.6	1.0	.1							4.3	8.4
VARBL													
CALM												25.4	
	14.1	22.0	21.8	11.7	3.4	1.4	.2	.0				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2298



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.4	2.4	1.3	.3	.0						7.5	7.8
NNE	1.0	1.6	1.6	1.2	.2	.1						4.7	8.1
NE	1.5	1.7	2.1	1.0	.2							6.5	7.3
ENE	.4	.9	.6									2.1	5.9
E	.3	.9	.6	.6	.1	.0						2.2	8.6
ESE	.3	.5	.2	.3								1.4	7.1
SE	.4	.4	.5	.3	.2							1.9	8.1
SSE	.3	.3	.6	.6	.2	.2	.1					2.3	11.4
S	1.1	1.3	1.2	1.0	.2	.2	.1					5.1	8.5
SSW	1.3	2.0	1.9	1.7	.8	.6	.0					9.1	9.5
SW	3.2	4.2	2.3	1.2	.3	.4						11.8	6.7
WSW	1.7	2.3	1.3	.3	.0	.1						5.7	5.6
W	.9	1.1	1.1	.3								3.4	5.8
WNW	.6	.4	1.2	.3	.1	.0						2.7	8.2
NW	1.0	1.3	1.4	.8	.2	.2						4.9	8.3
NNW	.6	.8	1.9	1.0								4.1	8.4
VARBL													
CALM												23.8	
	13.8	22.2	21.2	11.9	3.0	1.8	.3					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2309

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.4	3.3	1.4	.2	.2	.0					7.8	8.7
NNE	1.2	1.9	2.2	1.1	.2	.1						6.3	7.9
NE	1.5	2.0	2.0	.9	.1	.0						6.4	7.0
ENE	.5	.7	.7	.3	.0							2.1	6.9
E	.5	.5	.5	.4	.1							2.0	7.7
ESE	.3	.3	.3	.1								1.1	5.9
SE	.4	.2	.4	.1	.2	.1						1.4	8.2
SSE	.3	.5	1.2	.5	.2	.2	.0					3.0	9.9
S	1.1	1.1	1.2	1.0	.5	.2	.2	.0				5.5	10.3
SSW	1.4	2.7	2.4	1.3	.4	.4	.1					8.6	8.6
SW	3.3	4.2	3.0	1.5	.2	.1	.0					12.5	6.6
WSW	1.3	2.7	1.1	.1	.0							5.2	5.3
W	.7	1.1	1.3	.0	.1	.0						3.4	6.5
WNW	.6	.9	.8	.5	.2							3.0	7.6
NW	.6	1.2	.8	.9	.1	.1						3.3	7.8
NNW	.9	.8	1.8	1.0	.2	.0						4.7	8.4
VARBL													
CALM												23.7	
	15.4	22.4	23.0	10.4	2.8	1.5	.4	.0				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2549

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49, 56-72  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.4	3.4	1.9	.8	.2						9.2	10.0
NNE	1.1	1.1	2.1	1.7	.2	.2						7.0	8.5
NE	1.0	1.4	2.1	1.2	.3	.0						5.9	8.0
ENE	.6	.6	1.1	.7								2.9	7.6
E	.3	.6	1.1	.5	.0							2.6	7.9
ESE	.2	.5	.9	.2								1.9	7.6
SE	.3	.4	.7	.2								1.7	7.3
SSE	.3	.4	1.0	.6	.2	.2						2.8	11.1
S	.6	1.3	1.6	1.7	.8	.5	.0	.1				6.5	11.2
SSW	1.3	2.3	2.0	2.6	1.3	.6	.2	.1				10.2	11.1
SW	1.9	3.8	3.9	1.6	.8	.4	.1					12.4	8.3
WSW	1.3	2.6	2.3	.7	.0							6.9	6.7
W	.7	1.6	1.4	.3	.0							4.0	6.6
WNW	.2	.4	1.4	.6	.1	.1						3.0	9.8
NW	.5	.7	2.0	1.6	.5	.1						5.3	10.0
NNW	.4	.6	2.8	1.6	.2							5.5	9.4
VARBL													
CALM												12.2	
	11.4	20.3	30.1	17.8	5.1	2.4	.3	.2				100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 2622

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

OEC  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	3.4	2.4	1.1	.2						9.4	10.5
NNE	.4	1.5	2.1	2.0	.3	.1						6.4	9.7
NE	.8	1.4	2.1	1.0	.2							5.5	8.0
ENE	.4	.5	1.2	.4	.1							2.6	7.8
E	.4	.5	.9	.4	.0							2.2	7.7
ESE	.3	.3	.7	.5	.2							2.0	8.9
SE	.3	.5	1.3	.6	.0							2.8	8.3
SSE	.2	.6	1.1	.7	.1	.1	.0					2.8	10.0
S	.2	1.2	1.6	1.8	1.1	.4	.2					6.5	12.5
SSW	.3	1.3	2.3	3.5	1.7	.8	.2					10.3	13.6
SW	1.1	2.8	3.8	2.7	1.6	.4	.2	.1	.1			12.7	10.4
WSW	.8	1.7	2.6	1.2	.1	.0						6.4	7.9
W	1.0	1.3	2.2	.8	.0							5.4	7.3
WNW	.4	.7	1.6	1.1	.3	.0	.0					4.1	9.5
NW	.5	1.1	3.3	2.0	.6	.1	.0					7.6	10.3
NNW	.3	1.0	2.9	2.3	.4	.2	.1					7.2	10.6
VARBL													
CALM												6.1	
	7.9	17.8	33.5	23.4	7.8	2.5	.7	.2	.1			100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

2609

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49, 56-72  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.7	3.6	2.7	.5	.2	.1					9.8	9.6
NNE	.4	1.4	2.8	1.2	.2	.0						6.0	8.7
NE	.9	1.4	2.7	.9	.3	.0						6.3	8.2
ENE	.5	.6	.9	.3								2.3	7.0
E	.3	.7	1.3	.4	.0							2.7	7.8
ESE	.2	.3	.7	.3	.0							1.5	8.1
SE	.4	.6	1.4	.6	.2	.0						3.2	8.6
SSE	.3	.9	1.0	.8	.3	.0						3.3	9.0
S	.5	2.0	2.8	2.1	.7	.3	.1					8.5	10.0
SSW	.6	1.8	3.0	2.3	1.1	.4	.1	.0				9.3	11.0
SW	1.2	3.3	3.2	2.1	.9	.2		.1				10.9	9.0
WSW	.7	2.2	1.6	.6	.2	.0						5.3	7.1
W	1.0	1.8	1.6	.5	.1							5.0	6.5
WNW	.4	.7	1.3	.7	.1	.1						3.2	8.6
NW	.3	1.8	2.7	1.4	.6	.1						6.9	9.5
NNW	.7	1.5	3.2	1.4	.4	.1						7.3	9.0
VARBL													
CALM												8.6	
	9.7	22.6	33.6	18.2	5.5	1.5	.2	.1				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

2600

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-45, 47-49, 56-72  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	3.1	1.4	.3	.0						7.8	8.1
NNE	.7	1.4	2.1	.7	.2	.2						5.5	8.2
NE	1.2	1.3	2.1	1.1	.3							6.0	7.7
ENE	.5	1.0	.8	.5			.0					2.8	7.6
E	.5	.8	1.1	.3	.1							2.7	7.2
ESE	.3	.4	.5	.5	.0							1.9	8.0
SE	.2	.7	.8	.6	.0							2.3	8.2
SSE	.0	.3	1.0	.8	.2	.2						2.4	11.4
S	1.2	1.8	2.0	1.6	.4	.5	.0					7.5	9.1
SSW	1.2	3.2	3.1	1.3	.5	.3						9.7	8.2
SW	1.8	3.3	2.5	.9	.4	.0						9.5	6.9
WSW	.9	1.7	.6	.3								3.4	5.4
W	.9	1.5	.6	.1	.1	.0						3.3	5.6
WNW	.1	.4	.5	.3	.0							1.4	8.4
NW	.3	1.3	1.3	.6	.1	.0						4.0	7.7
NNW	.8	1.2	2.0	.7	.3							4.9	7.9
VARBL													
CALM												25.4	
	11.9	22.7	24.2	11.6	2.9	1.2	.1					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

2392

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-49,56-72  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.6	2.4	1.2	.2	.1						6.4	8.3
NNE	.9	1.7	2.1	1.1	.1							5.9	7.5
NE	1.1	1.5	2.4	.9	.3	.0						6.2	7.9
ENE	.5	.8	.9	.2								2.3	6.6
E	.5	.4	.9	.4	.0							2.4	8.0
ESE	.3	.8	.6	.1	.0							1.8	6.5
SE	.1	.5	.7	.5	.2							2.1	9.1
SSE	.2	.7	1.2	.8	.2	.1	.0					3.2	10.4
S	.7	1.4	1.3	1.8	.2	.2	.2	.0				5.7	10.1
SSW	1.0	2.2	1.5	1.5	.7	.6	.2	.1				7.9	10.4
SW	2.2	3.3	2.6	1.2	.5	.0						9.8	7.1
WSW	.9	1.8	1.4	.2	.0							4.3	5.9
W	.9	1.1	1.1	.3	.0							3.3	6.1
WNW	.3	.3	.7	.3	.1	.0						1.8	8.7
NW	.5	.8	1.5	.9	.2	.0						3.9	8.9
NNW	.6	1.2	1.8	1.2	.2							5.0	8.3
VARBL													
CALM												28.1	
	11.6	20.0	23.1	12.6	3.0	1.2	.4	.1				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2337

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-50,56-72  
YEARS

ALL  
MONTH

INSTRUMENT

CLASS

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

ALL  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.5	5.2	4.4	1.3	.3	.0					14.9	10.7
NNE	.9	2.1	4.4	3.4	1.0	.2	.0					12.1	10.0
NE	1.2	2.7	4.6	2.5	.8	.2	.0	.0				11.8	9.1
ENE	.5	1.4	2.4	1.2	.3	.1	.0		.0			5.9	8.9
E	.6	1.4	2.1	1.0	.2	.0	.0					5.3	8.3
ESE	.3	.6	1.1	.6	.1	.0						2.7	8.8
SE	.4	.7	1.4	.7	.2	.0						3.4	8.9
SSE	.2	.6	1.3	.9	.3	.1	.0	.0				3.4	10.3
S	.5	1.1	1.7	1.4	.5	.3	.1	.0				5.6	10.7
SSW	.3	.7	1.3	1.2	.5	.2	.1	.0	.0			4.3	11.5
SW	.3	.9	1.0	.6	.2	.0	.0	.0				3.4	8.1
WSW	.4	.6	.5	.3	.1	.1	.0	.0				1.9	8.2
W	.4	.8	.7	.4	.1	.0	.0	.0		.0		2.4	8.1
WNW	.3	.3	.6	.4	.1	.0	.0	.0				2.0	9.2
NW	.3	.8	1.9	1.0	.2	.1	.0	.0				3.9	9.6
NNW	.6	1.3	2.8	1.8	.4	.1	.0	.0				6.8	9.7
VARBL													
CALM												10.4	
	8.5	18.6	32.2	21.7	6.1	1.7	.4	.1	.0	.0		100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

70624



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	$\geq 0$
NO CEILING																
$\geq 1800$																
$\geq 1500$					91.0											92.6
$\geq 1200$																
$\geq 1000$																
$\geq 900$																
$\geq 800$																
$\geq 700$																
$\geq 600$																
$\geq 500$										97.4						98.1
$\geq 400$																
$\geq 300$																
$\geq 200$																
$\geq 100$																
$\geq 0$					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

#### ADDITIONAL EXAMPLES

**EXAMPLE # 4** Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.  
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

**EXAMPLE # 5** To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947 FORT RILEY KANSAS/MARSHALL AAF 38-50,56-72

STATION

STATION NAME

YEARS

ALL MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.1	55.8	50.3	56.6	56.9	56.9	57.0	57.0	57.0	57.1	57.1	57.1	57.2	57.2	57.2	57.3
≥ 20000	59.9	64.5	62.1	65.5	65.8	65.8	65.9	66.0	66.0	66.0	66.1	66.1	66.1	66.2	66.2	66.3
IV 18000	60.1	64.7	65.3	65.7	66.0	66.0	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.4	66.4	66.5
IV 16000	60.2	64.9	65.4	65.8	66.1	66.1	66.2	66.3	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.6
IV 14000	60.7	65.3	65.9	66.3	66.6	66.6	66.8	66.8	66.8	66.9	66.9	66.9	67.0	67.0	67.0	67.1
IV 12000	62.0	66.9	67.5	67.9	68.2	68.2	68.3	68.4	68.4	68.5	68.5	68.5	68.6	68.6	68.6	68.7
IV 10000	64.0	69.1	69.8	70.2	70.5	70.5	70.6	70.7	70.7	70.8	70.8	70.8	70.9	70.9	70.9	71.0
IV 9000	64.7	69.9	70.6	71.0	71.3	71.3	71.4	71.5	71.5	71.6	71.6	71.6	71.7	71.7	71.7	71.8
IV 8000	66.4	72.0	72.7	73.1	73.4	73.5	73.6	73.6	73.6	73.7	73.8	73.8	73.8	73.8	73.9	73.9
IV 7000	67.7	73.5	74.3	74.7	75.0	75.1	75.2	75.3	75.3	75.4	75.4	75.4	75.5	75.5	75.5	75.6
IV 6000	68.7	74.8	75.6	76.1	76.4	76.5	76.6	76.7	76.7	76.8	76.8	76.8	76.9	76.9	76.9	77.0
IV 5000	70.2	76.7	77.5	78.1	78.5	78.5	78.7	78.7	78.7	78.8	78.9	78.9	78.9	78.9	79.0	79.0
IV 4500	70.7	77.3	78.2	78.8	79.2	79.2	79.4	79.4	79.5	79.6	79.6	79.6	79.7	79.7	79.7	79.8
IV 4000	72.0	79.0	80.0	80.6	81.1	81.1	81.3	81.3	81.3	81.5	81.5	81.5	81.6	81.6	81.6	81.7
IV 3500	72.7	80.0	81.0	81.7	82.1	82.2	82.4	82.4	82.4	82.5	82.6	82.6	82.7	82.7	82.7	82.8
IV 3000	74.0	81.8	82.9	83.6	84.1	84.1	84.3	84.4	84.4	84.5	84.6	84.6	84.6	84.6	84.7	84.8
IV 2500	75.0	83.2	84.4	85.1	85.6	85.7	85.9	86.0	86.0	86.1	86.2	86.2	86.2	86.2	86.3	86.4
IV 2000	76.2	85.2	86.5	87.3	87.9	88.0	88.2	88.3	88.3	88.5	88.5	88.5	88.6	88.6	88.7	88.7
IV 1800	76.6	85.7	87.0	87.9	88.5	88.6	88.9	89.0	89.0	89.1	89.2	89.2	89.3	89.3	89.3	89.4
IV 1500	77.3	87.0	88.5	89.5	90.2	90.3	90.6	90.7	90.7	90.9	90.9	90.9	91.0	91.0	91.0	91.1
IV 1200	77.9	88.3	90.0	91.1	91.9	92.0	92.4	92.5	92.5	92.7	92.8	92.8	92.9	92.9	92.9	93.0
IV 1000	78.3	89.2	91.0	92.3	93.3	93.4	93.9	94.0	94.1	94.3	94.4	94.4	94.5	94.5	94.5	94.6
IV 900	78.4	89.5	91.5	92.8	93.9	94.1	94.5	94.7	94.8	95.0	95.1	95.1	95.2	95.2	95.3	95.3
IV 800	78.5	89.9	91.9	93.4	94.6	94.8	95.3	95.6	95.6	95.9	96.0	96.0	96.1	96.1	96.2	96.3
IV 700	78.5	90.1	92.2	93.8	95.1	95.3	96.0	96.2	96.3	96.6	96.8	96.8	96.9	96.9	96.9	97.0
IV 600	78.6	90.2	92.5	94.1	95.5	95.7	96.5	96.8	96.9	97.3	97.3	97.3	97.6	97.6	97.7	97.8
IV 500	78.6	90.3	92.6	94.3	95.8	96.1	96.9	97.3	97.4	97.9	98.1	98.1	98.3	98.3	98.4	98.5
IV 400	78.6	90.4	92.7	94.4	96.0	96.3	97.2	97.6	97.7	98.3	98.5	98.6	98.8	98.8	98.9	98.9
IV 300	78.6	90.4	92.7	94.5	96.0	96.3	97.3	97.7	97.8	98.5	98.8	98.8	99.1	99.1	99.2	99.3
IV 200	78.6	90.4	92.7	94.5	96.0	96.3	97.3	97.8	97.9	98.6	98.9	99.0	99.3	99.3	99.4	99.6
IV 100	78.6	90.4	92.7	94.5	96.0	96.3	97.3	97.8	97.9	98.6	99.0	99.0	99.4	99.4	99.6	99.7
IV 0	78.6	90.4	92.7	94.5	96.0	96.3	97.3	97.8	97.9	98.6	99.0	99.0	99.4	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 227108

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-50,57-72  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS(EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	49.4	53.2	53.8	54.2	54.5	54.5	54.6	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.9
IV 20000	56.9	61.9	62.7	63.2	63.5	63.5	63.7	63.7	63.7	63.8	63.9	63.9	63.9	63.9	63.9	64.0
IV 18000	57.1	62.1	62.9	63.4	63.7	63.8	63.9	64.0	64.0	64.0	64.1	64.1	64.2	64.2	64.2	64.2
IV 16000	57.2	62.3	63.1	63.5	63.8	63.9	64.0	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.4
IV 14000	57.5	62.6	63.4	63.9	64.2	64.2	64.4	64.4	64.4	64.5	64.6	64.6	64.6	64.6	64.7	64.7
IV 12000	58.6	63.9	64.7	65.1	65.5	65.5	65.7	65.7	65.7	65.8	65.9	65.9	65.9	65.9	66.0	66.0
IV 10000	60.5	65.9	66.7	67.2	67.5	67.5	67.7	67.7	67.7	67.8	67.9	67.9	67.9	67.9	68.0	68.0
IV 9000	60.8	66.3	67.1	67.6	67.9	68.0	68.1	68.2	68.2	68.3	68.3	68.3	68.4	68.4	68.4	68.5
IV 8000	61.9	67.6	68.5	69.0	69.3	69.4	69.5	69.6	69.6	69.7	69.7	69.7	69.8	69.8	69.8	69.9
IV 7000	62.8	68.8	69.8	70.3	70.6	70.7	70.8	70.9	70.9	71.0	71.0	71.0	71.1	71.1	71.1	71.2
IV 6000	63.7	69.9	70.9	71.4	71.8	71.8	72.0	72.1	72.1	72.2	72.2	72.2	72.3	72.3	72.3	72.4
IV 5000	64.5	71.1	72.1	72.7	73.1	73.1	73.3	73.4	73.4	73.5	73.5	73.5	73.6	73.6	73.6	73.7
IV 4500	64.7	71.4	72.5	73.1	73.5	73.5	73.7	73.8	73.8	73.9	73.9	73.9	74.0	74.0	74.0	74.1
IV 4000	65.3	72.1	73.2	73.8	74.2	74.3	74.5	74.6	74.6	74.7	74.7	74.7	74.8	74.8	74.8	74.9
IV 3500	65.7	72.8	73.9	74.5	75.0	75.0	75.2	75.3	75.3	75.4	75.5	75.5	75.6	75.6	75.6	75.6
IV 3000	66.7	74.0	75.2	75.9	76.4	76.4	76.7	76.8	76.8	76.9	76.9	76.9	77.0	77.0	77.0	77.1
IV 2500	67.5	75.2	76.4	77.2	77.8	77.9	78.1	78.3	78.3	78.4	78.4	78.4	78.5	78.5	78.5	78.6
IV 2000	68.8	77.5	78.8	79.7	80.4	80.5	80.9	81.0	81.0	81.1	81.2	81.2	81.3	81.3	81.3	81.4
IV 1800	69.1	78.2	79.5	80.5	81.2	81.3	81.7	81.8	81.8	82.0	82.0	82.0	82.1	82.2	82.2	82.2
IV 1500	70.1	80.0	81.5	82.6	83.5	83.6	84.1	84.2	84.3	84.5	84.5	84.5	84.6	84.6	84.7	84.7
IV 1200	70.8	81.3	83.1	84.4	85.4	85.6	86.2	86.4	86.4	86.7	86.8	86.8	86.9	86.9	86.9	87.0
IV 1000	71.2	82.6	84.6	86.2	87.3	87.6	88.3	88.6	88.6	89.0	89.2	89.2	89.3	89.3	89.3	89.4
IV 900	71.3	83.0	85.2	86.8	88.1	88.4	89.2	89.6	89.6	90.1	90.2	90.2	90.4	90.4	90.4	90.5
IV 800	71.5	83.4	85.8	87.6	89.0	89.3	90.3	90.7	90.8	91.4	91.6	91.6	91.8	91.8	91.8	91.9
IV 700	71.6	83.8	86.3	88.2	89.9	90.2	91.3	91.8	91.9	92.6	92.9	92.9	93.1	93.1	93.1	93.2
IV 600	71.6	84.0	86.6	88.7	90.5	90.9	92.2	92.9	92.9	93.8	94.2	94.2	94.4	94.4	94.5	94.6
IV 500	71.7	84.2	86.9	89.1	91.1	91.6	93.1	93.8	93.9	95.1	95.5	95.6	95.8	95.8	95.9	96.0
IV 400	71.7	84.2	87.0	89.3	91.5	91.9	93.6	94.5	94.6	95.9	96.5	96.6	96.9	97.0	97.0	97.2
IV 300	71.7	84.3	87.0	89.4	91.6	92.1	93.9	94.9	95.0	96.5	97.2	97.3	97.8	97.8	97.9	98.0
IV 200	71.7	84.3	87.0	89.4	91.6	92.2	94.0	95.0	95.1	96.6	97.6	97.7	98.3	98.4	98.5	98.7
IV 100	71.7	84.3	87.0	89.4	91.6	92.2	94.0	95.1	95.1	96.7	97.7	97.9	98.6	98.8	99.0	99.2
IV 0	71.7	84.3	87.0	89.4	91.6	92.2	94.1	95.1	95.2	96.8	97.8	97.9	98.7	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 19313

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-50,56-72  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	45.7	49.5	49.9	50.3	50.5	50.5	50.7	50.7	50.7	50.8	50.8	50.8	50.9	50.9	50.9	50.9
IV 20000	52.6	57.1	57.7	58.2	58.6	58.6	58.7	58.8	58.8	58.9	58.9	58.9	59.0	59.0	59.0	59.1
IV 18000	52.9	57.4	57.9	58.5	58.8	58.8	59.0	59.0	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.3
IV 16000	53.0	57.5	58.1	58.6	58.9	59.0	59.1	59.2	59.2	59.3	59.3	59.3	59.4	59.4	59.4	59.5
IV 14000	53.2	57.9	58.4	58.9	59.3	59.3	59.5	59.5	59.5	59.6	59.7	59.7	59.7	59.7	59.7	59.8
IV 12000	54.3	59.1	59.7	60.3	60.6	60.6	60.8	60.8	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.1
IV 10000	56.2	61.2	61.8	62.4	62.7	62.7	62.9	63.0	63.0	63.1	63.1	63.1	63.2	63.2	63.2	63.3
IV 9000	56.6	61.8	62.3	62.9	63.3	63.3	63.5	63.5	63.5	63.6	63.7	63.7	63.7	63.7	63.7	63.8
IV 8000	58.2	63.5	64.2	64.8	65.1	65.2	65.3	65.4	65.4	65.5	65.6	65.6	65.6	65.6	65.6	65.7
IV 7000	59.7	65.2	65.9	66.5	66.9	67.0	67.2	67.2	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.5
IV 6000	60.8	66.6	67.3	67.9	68.4	68.4	68.6	68.7	68.7	68.8	68.9	68.9	68.9	68.9	68.9	69.0
IV 5000	62.2	68.3	69.1	69.7	70.2	70.3	70.5	70.5	70.5	70.7	70.7	70.7	70.8	70.8	70.8	70.9
IV 4500	62.7	68.9	69.7	70.4	70.9	70.9	71.2	71.2	71.2	71.4	71.4	71.4	71.4	71.5	71.5	71.6
IV 4000	63.9	70.4	71.3	72.0	72.5	72.5	72.8	72.8	72.8	73.0	73.0	73.0	73.1	73.1	73.1	73.2
IV 3500	64.8	71.6	72.5	73.3	73.8	73.8	74.1	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.5
IV 3000	66.0	73.3	74.3	75.1	75.6	75.7	76.0	76.1	76.1	76.3	76.3	76.3	76.4	76.4	76.4	76.5
IV 2500	67.2	75.1	76.1	77.0	77.6	77.7	78.0	78.1	78.1	78.3	78.3	78.3	78.4	78.4	78.4	78.5
IV 2000	69.0	77.7	78.9	79.9	80.6	80.7	81.0	81.2	81.2	81.4	81.5	81.5	81.5	81.5	81.5	81.6
IV 1800	69.3	78.4	79.6	80.6	81.3	81.4	81.8	82.0	82.0	82.3	82.3	82.3	82.4	82.4	82.4	82.5
IV 1500	70.4	80.2	81.6	82.8	83.6	83.7	84.2	84.4	84.4	84.8	84.8	84.8	84.9	84.9	84.9	85.0
IV 1200	71.0	81.9	83.6	85.0	86.0	86.2	86.7	86.9	87.0	87.4	87.5	87.5	87.5	87.5	87.5	87.6
IV 1000	71.5	83.1	85.1	86.7	87.9	88.2	88.9	89.2	89.2	89.7	89.8	89.8	89.9	89.9	89.9	90.0
IV 900	71.6	83.4	85.6	87.3	88.7	89.0	89.7	90.1	90.2	90.7	90.8	90.8	90.9	90.9	90.9	91.0
IV 800	71.7	83.8	86.2	88.1	89.6	90.0	90.9	91.3	91.4	92.1	92.3	92.3	92.4	92.4	92.4	92.5
IV 700	71.7	84.1	86.7	88.7	90.5	90.9	92.0	92.5	92.6	93.4	93.6	93.6	93.7	93.7	93.7	93.8
IV 600	71.8	84.2	87.0	89.1	91.2	91.6	92.9	93.5	93.6	94.5	94.8	94.8	95.0	95.0	95.0	95.1
IV 500	71.8	84.4	87.2	89.4	91.6	92.1	93.6	94.3	94.4	95.4	95.9	95.9	96.2	96.2	96.3	96.3
IV 400	71.8	84.5	87.4	89.6	91.9	92.4	94.0	94.8	95.0	96.2	96.8	96.8	97.1	97.2	97.2	97.3
IV 300	71.8	84.5	87.4	89.7	92.0	92.5	94.2	95.0	95.2	96.6	97.4	97.4	97.8	97.8	98.0	98.1
IV 200	71.8	84.5	87.4	89.7	92.1	92.5	94.2	95.1	95.3	96.8	97.6	97.6	97.8	98.3	98.6	98.9
IV 100	71.8	84.5	87.4	89.7	92.1	92.5	94.2	95.1	95.3	96.8	97.7	97.8	98.5	98.6	99.0	99.4
IV 0	71.8	84.5	87.4	89.7	92.1	92.5	94.2	95.1	95.3	96.8	97.7	97.8	98.5	98.6	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 17388

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.1	49.0	49.4	49.5	49.9	49.9	50.0	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.3
≥ 20000	51.7	56.4	56.9	57.3	57.5	57.6	57.7	57.8	57.8	57.9	57.9	57.9	58.0	58.0	58.0	58.0
IV 18000	52.2	57.0	57.5	57.8	58.1	58.1	58.3	58.3	58.3	58.5	58.5	58.5	58.5	58.5	58.6	58.6
IV 16000	52.4	57.2	57.6	58.0	58.3	58.3	58.4	58.5	58.5	58.6	58.7	58.7	58.7	58.7	58.7	58.8
IV 14000	52.8	57.6	58.1	58.5	58.8	58.8	58.9	59.0	59.0	59.1	59.1	59.1	59.2	59.2	59.2	59.3
IV 12000	54.0	59.1	59.6	59.9	60.2	60.3	60.4	60.5	60.5	60.6	60.6	60.6	60.7	60.7	60.7	60.7
IV 10000	55.6	60.8	61.3	61.7	62.0	62.0	62.2	62.2	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.5
IV 9000	56.5	62.0	62.5	62.9	63.2	63.2	63.3	63.4	63.4	63.5	63.6	63.6	63.6	63.6	63.6	63.7
IV 8000	58.0	63.7	64.2	64.6	64.9	64.9	65.1	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.4	65.4
IV 7000	59.4	65.3	65.8	66.3	66.6	66.6	66.7	66.8	66.8	67.0	67.0	67.0	67.0	67.0	67.1	67.1
IV 6000	60.6	66.7	67.3	67.8	68.1	68.1	68.3	68.4	68.4	68.5	68.5	68.5	68.6	68.6	68.6	68.6
IV 5000	62.0	68.6	69.2	69.8	70.1	70.2	70.3	70.4	70.5	70.6	70.6	70.6	70.7	70.7	70.7	70.7
IV 4500	62.6	69.3	70.0	70.5	70.9	70.9	71.1	71.2	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.5
IV 4000	63.9	71.1	71.8	72.4	72.8	72.8	73.0	73.1	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.4
IV 3500	64.9	72.4	73.2	73.9	74.3	74.3	74.5	74.6	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.9
IV 3000	66.8	74.9	75.9	76.6	77.1	77.1	77.3	77.5	77.5	77.6	77.6	77.6	77.7	77.7	77.7	77.8
IV 2500	68.4	77.2	78.3	79.1	79.6	79.7	79.9	80.1	80.1	80.2	80.3	80.3	80.3	80.4	80.4	80.4
IV 2000	70.1	79.9	81.3	82.3	83.0	83.1	83.4	83.6	83.6	83.8	83.8	83.8	83.9	83.9	83.9	83.9
IV 1800	70.7	80.7	82.2	83.3	84.0	84.1	84.4	84.6	84.6	84.8	84.8	84.8	84.9	84.9	84.9	85.0
IV 1500	71.6	82.7	84.4	85.7	86.4	86.6	87.0	87.2	87.3	87.5	87.5	87.5	87.6	87.6	87.6	87.7
IV 1200	72.2	84.3	86.5	87.9	88.9	89.1	89.7	89.9	90.0	90.3	90.3	90.3	90.4	90.4	90.4	90.5
IV 1000	72.5	85.4	87.8	89.5	90.8	91.0	91.8	92.2	92.2	92.6	92.7	92.7	92.8	92.8	92.8	92.9
IV 900	72.6	85.8	88.4	90.1	91.6	91.8	92.7	93.1	93.2	93.6	93.7	93.7	93.8	93.8	93.8	93.9
IV 800	72.7	86.2	88.9	90.8	92.4	92.7	93.7	94.2	94.3	94.7	94.9	94.9	95.0	95.0	95.0	95.1
IV 700	72.7	86.4	89.2	91.2	93.0	93.3	94.4	95.0	95.1	95.6	95.8	95.9	96.0	96.0	96.0	96.1
IV 600	72.8	86.6	89.5	91.5	93.5	93.8	95.1	95.8	95.9	96.5	96.7	96.8	96.9	96.9	97.0	97.0
IV 500	72.8	86.7	89.6	91.8	93.8	94.1	95.6	96.5	96.7	97.5	97.9	97.9	98.1	98.2	98.3	98.3
IV 400	72.8	86.7	89.6	91.8	93.9	94.3	95.9	96.9	97.0	97.9	98.4	98.4	98.7	98.8	98.8	98.9
IV 300	72.8	86.7	89.6	91.8	94.0	94.3	96.0	97.0	97.2	98.2	98.6	98.7	99.0	99.1	99.2	99.4
IV 200	72.8	86.7	89.6	91.9	94.0	94.3	96.0	97.0	97.2	98.2	98.7	98.8	99.2	99.3	99.5	99.6
IV 100	72.8	86.7	89.7	91.9	94.0	94.4	96.0	97.0	97.2	98.3	98.8	98.9	99.3	99.4	99.6	99.9
IV 0	72.8	86.7	89.7	91.9	94.0	94.4	96.0	97.0	97.2	98.3	98.8	98.9	99.3	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 19208

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-50,56-72  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.1	49.1	49.5	49.7	49.9	49.9	50.0	50.0	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.2
IV 20000	55.2	59.2	59.6	59.9	60.0	60.1	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.4	60.4
IV 18000	55.5	59.5	59.9	60.2	60.4	60.4	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.7	60.7
IV 16000	55.7	59.7	60.1	60.4	60.5	60.5	60.6	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.9
IV 14000	56.2	60.3	60.7	61.0	61.1	61.1	61.2	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.5	61.5
IV 12000	57.5	61.7	62.1	62.4	62.6	62.6	62.7	62.7	62.7	62.8	62.8	62.8	62.9	62.9	62.9	63.0
IV 10000	59.4	63.9	64.4	64.6	64.8	64.8	64.9	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.2
IV 9000	60.1	64.7	65.2	65.5	65.7	65.7	65.8	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.0	66.1
IV 8000	62.5	67.4	67.9	68.2	68.4	68.5	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.8	68.8
IV 7000	63.7	69.0	69.6	69.9	70.2	70.2	70.3	70.3	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.6
IV 6000	65.1	70.7	71.4	71.7	71.9	72.0	72.1	72.1	72.1	72.2	72.3	72.3	72.3	72.3	72.4	72.4
IV 5000	66.8	72.9	73.7	74.1	74.4	74.4	74.5	74.6	74.6	74.7	74.7	74.7	74.8	74.8	74.8	74.9
IV 4500	67.6	74.0	74.9	75.3	75.6	75.6	75.7	75.8	75.8	75.8	75.9	75.9	75.9	75.9	76.0	76.0
IV 4000	69.5	76.4	77.4	77.9	78.3	78.3	78.5	78.5	78.5	78.6	78.6	78.6	78.7	78.7	78.7	78.8
IV 3500	70.6	77.9	78.9	79.4	79.8	79.8	80.0	80.0	80.0	80.1	80.2	80.2	80.2	80.2	80.3	80.3
IV 3000	72.4	80.3	81.4	82.0	82.5	82.5	82.7	82.8	82.8	82.8	82.9	82.9	83.0	83.0	83.0	83.1
IV 2500	73.9	82.4	83.7	84.3	84.9	85.0	85.2	85.2	85.3	85.3	85.4	85.4	85.4	85.4	85.5	85.5
IV 2000	75.8	85.1	86.5	87.3	87.9	88.0	88.2	88.3	88.3	88.3	88.4	88.4	88.5	88.5	88.5	88.6
IV 1800	76.1	85.6	87.2	88.0	88.6	88.7	88.9	88.9	89.0	89.0	89.1	89.1	89.2	89.2	89.2	89.3
IV 1500	77.0	87.1	88.8	89.6	90.5	90.5	90.8	90.9	90.9	91.0	91.0	91.0	91.1	91.1	91.1	91.2
IV 1200	77.7	88.8	90.6	91.8	92.6	92.7	93.0	93.1	93.1	93.2	93.3	93.3	93.3	93.3	93.4	93.4
IV 1000	78.0	89.8	91.8	93.2	94.2	94.2	94.6	94.7	94.7	94.8	94.9	94.9	95.0	95.0	95.0	95.1
IV 900	78.2	90.2	92.4	93.8	94.9	95.0	95.4	95.5	95.6	95.7	95.8	95.8	95.9	95.9	95.9	96.0
IV 800	78.3	90.7	92.9	94.5	95.8	95.9	96.4	96.6	96.6	96.8	96.9	96.9	97.0	97.0	97.0	97.1
IV 700	78.3	90.9	93.3	95.0	96.4	96.5	97.1	97.3	97.3	97.5	97.7	97.7	97.8	97.8	97.8	97.9
IV 600	78.4	91.0	93.4	95.2	96.7	96.9	97.6	97.9	98.0	98.3	98.4	98.5	98.5	98.6	98.6	98.7
IV 500	78.4	91.1	93.5	95.4	97.0	97.2	98.0	98.4	98.4	98.8	99.0	99.0	99.1	99.1	99.2	99.2
IV 400	78.4	91.1	93.5	95.5	97.1	97.3	98.2	98.5	98.6	99.0	99.3	99.3	99.4	99.4	99.5	99.5
IV 300	78.4	91.1	93.6	95.5	97.1	97.4	98.3	98.6	98.7	99.2	99.4	99.4	99.6	99.6	99.7	99.7
IV 200	78.4	91.1	93.6	95.5	97.1	97.4	98.3	98.6	98.7	99.2	99.4	99.5	99.6	99.7	99.8	99.8
IV 100	78.4	91.1	93.6	95.5	97.1	97.4	98.3	98.6	98.7	99.2	99.5	99.5	99.7	99.7	99.8	99.9
IV 0	78.4	91.1	93.6	95.5	97.1	97.4	98.3	98.6	98.7	99.2	99.5	99.5	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 18794



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	48.7	51.0	51.3	51.6	51.7	51.7	51.9	52.0	52.0	52.1	52.1	52.1	52.2	52.2	52.2	52.3
IV 20000	58.9	62.1	62.5	62.8	62.9	63.0	63.1	63.2	63.2	63.3	63.4	63.4	63.4	63.4	63.5	63.5
IV 18000	59.0	62.2	62.6	62.9	63.1	63.1	63.3	63.3	63.3	63.4	63.5	63.5	63.6	63.6	63.6	63.7
IV 16000	59.1	62.3	62.7	63.0	63.2	63.2	63.4	63.4	63.4	63.6	63.6	63.6	63.7	63.7	63.7	63.8
IV 14000	59.7	62.9	63.3	63.6	63.8	63.8	64.0	64.0	64.0	64.2	64.2	64.2	64.3	64.3	64.3	64.4
IV 12000	60.9	64.3	64.7	65.0	65.1	65.2	65.3	65.4	65.4	65.5	65.6	65.6	65.6	65.6	65.7	65.7
IV 10000	62.8	66.4	66.9	67.2	67.3	67.4	67.5	67.6	67.6	67.7	67.8	67.8	67.8	67.8	67.9	68.0
IV 9000	63.5	67.2	67.7	68.0	68.2	68.2	68.4	68.5	68.5	68.6	68.6	68.7	68.7	68.7	68.7	68.8
IV 8000	65.4	69.5	70.1	70.4	70.6	70.6	70.8	70.9	70.9	71.0	71.0	71.1	71.1	71.1	71.1	71.2
IV 7000	67.2	71.7	72.3	72.6	72.9	72.9	73.1	73.2	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.5
IV 6000	68.8	73.6	74.3	74.6	74.8	74.9	75.1	75.2	75.2	75.3	75.3	75.4	75.4	75.4	75.4	75.5
IV 5000	71.0	76.4	77.1	77.5	77.8	77.8	78.0	78.1	78.1	78.2	78.3	78.3	78.3	78.4	78.4	78.5
IV 4500	71.7	77.4	78.1	78.6	78.8	78.9	79.1	79.2	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.5
IV 4000	74.0	80.3	81.2	81.7	82.0	82.0	82.3	82.3	82.3	82.5	82.5	82.5	82.6	82.6	82.6	82.7
IV 3500	75.0	81.6	82.5	83.0	83.3	83.3	83.6	83.7	83.7	83.8	83.9	83.9	83.9	83.9	84.0	84.0
IV 3000	76.9	84.1	85.1	85.8	86.1	86.1	86.4	86.5	86.5	86.6	86.7	86.7	86.7	86.8	86.8	86.9
IV 2500	78.3	86.0	87.1	87.8	88.2	88.2	88.5	88.6	88.6	88.7	88.8	88.8	88.8	88.8	88.9	88.9
IV 2000	79.8	88.1	89.3	90.1	90.6	90.6	90.9	91.0	91.0	91.2	91.2	91.2	91.3	91.3	91.3	91.4
IV 1800	80.1	88.5	89.8	90.5	91.0	91.1	91.3	91.4	91.5	91.6	91.7	91.7	91.8	91.8	91.8	91.9
IV 1500	80.8	89.9	91.2	92.1	92.7	92.8	93.1	93.2	93.2	93.4	93.4	93.4	93.5	93.5	93.5	93.6
IV 1200	81.3	91.0	92.5	93.6	94.2	94.3	94.6	94.7	94.7	95.0	95.0	95.0	95.1	95.1	95.1	95.2
IV 1000	81.6	91.8	93.4	94.6	95.4	95.4	95.8	95.9	95.9	96.2	96.2	96.2	96.3	96.3	96.3	96.4
IV 900	81.7	92.2	93.8	95.1	95.9	96.0	96.4	96.5	96.6	96.8	96.9	96.9	97.0	97.0	97.0	97.1
IV 800	81.8	92.4	94.2	95.6	96.6	96.7	97.2	97.4	97.4	97.7	97.8	97.8	97.8	97.8	97.9	98.0
IV 700	81.9	92.6	94.5	96.0	97.1	97.2	97.8	98.0	98.0	98.3	98.4	98.4	98.5	98.5	98.5	98.6
IV 600	81.9	92.7	94.6	96.2	97.3	97.5	98.2	98.4	98.4	98.8	98.9	98.9	99.0	99.0	99.0	99.1
IV 500	81.9	92.9	94.8	96.4	97.6	97.8	98.5	98.8	98.8	99.2	99.3	99.4	99.4	99.5	99.5	99.6
IV 400	82.0	92.9	94.9	96.5	97.7	97.9	98.7	98.9	99.0	99.4	99.5	99.5	99.6	99.6	99.7	99.8
IV 300	82.0	92.9	94.9	96.5	97.7	97.9	98.7	98.9	99.0	99.5	99.6	99.6	99.7	99.7	99.7	99.8
IV 200	82.0	92.9	94.9	96.5	97.7	97.9	98.7	98.9	99.0	99.5	99.6	99.6	99.7	99.7	99.7	99.8
IV 100	82.0	92.9	94.9	96.5	97.7	97.9	98.7	98.9	99.0	99.5	99.6	99.6	99.7	99.7	99.7	99.8
IV 0	82.0	92.9	94.9	96.5	97.7	97.9	98.7	98.9	99.0	99.5	99.6	99.6	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

19093

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5'16"	≥ ¼	≥ 0
NO CEILING	51.5	53.6	53.9	54.0	54.1	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.4
IV 20000	62.8	63.7	66.1	66.3	66.4	66.4	66.5	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7
IV 18000	62.9	63.8	66.2	66.4	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.9
IV 16000	63.1	66.0	66.4	66.6	66.7	66.7	66.8	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.0
IV 14000	63.7	66.6	67.0	67.2	67.3	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.6	67.6	67.6	67.6
IV 12000	65.2	68.3	68.7	68.9	69.1	69.1	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.4	69.4
IV 10000	68.0	71.2	71.7	71.9	72.1	72.1	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.4	72.4
IV 9000	68.8	72.2	72.6	72.9	73.0	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.3	73.3	73.3	73.4
IV 8000	71.0	74.7	75.2	75.4	75.6	75.6	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	76.0	76.0
IV 7000	72.5	76.5	77.0	77.3	77.5	77.6	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.9	77.9
IV 6000	73.8	78.1	78.7	79.0	79.3	79.3	79.4	79.5	79.5	79.5	79.5	79.5	79.6	79.6	79.6	79.6
IV 5000	75.6	80.4	81.2	81.5	81.8	81.8	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.2	82.2
IV 4500	76.3	81.3	82.1	82.5	82.7	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.1
IV 4000	78.2	83.8	84.7	85.2	85.5	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.9	85.9	85.9	86.0
IV 3500	79.3	85.2	86.1	86.6	87.0	87.0	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.4	87.4
IV 3000	81.3	87.7	88.7	89.2	89.6	89.7	89.8	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.1	90.1
IV 2500	82.4	89.0	90.1	90.7	91.1	91.1	91.3	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.6	91.6
IV 2000	83.6	90.9	92.0	92.7	93.2	93.2	93.4	93.5	93.5	93.6	93.6	93.6	93.7	93.7	93.7	93.8
IV 1800	83.8	91.2	92.4	93.1	93.6	93.6	93.8	93.9	93.9	94.0	94.0	94.0	94.1	94.1	94.1	94.2
IV 1500	84.3	92.2	93.5	94.3	94.9	95.0	95.2	95.3	95.3	95.4	95.4	95.4	95.5	95.5	95.5	95.6
IV 1200	84.9	93.1	94.5	95.3	96.0	96.1	96.3	96.4	96.4	96.5	96.6	96.6	96.6	96.6	96.7	96.7
IV 1000	85.2	93.7	95.2	96.1	96.9	97.0	97.3	97.4	97.4	97.5	97.6	97.6	97.7	97.7	97.7	97.8
IV 900	85.3	93.9	95.4	96.3	97.2	97.3	97.6	97.7	97.8	97.9	97.9	97.9	98.0	98.0	98.1	98.1
IV 800	85.4	94.0	95.6	96.6	97.6	97.7	98.1	98.2	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.6
IV 700	85.4	94.1	95.7	96.7	97.8	97.9	98.4	98.5	98.5	98.7	98.7	98.7	98.8	98.8	98.9	98.9
IV 600	85.5	94.2	95.8	96.8	98.0	98.1	98.6	98.7	98.8	98.9	99.0	99.0	99.0	99.1	99.1	99.2
IV 500	85.5	94.3	95.9	97.0	98.1	98.3	98.8	99.0	99.0	99.2	99.3	99.3	99.4	99.4	99.4	99.5
IV 400	85.5	94.3	95.9	97.0	98.1	98.3	98.8	99.1	99.1	99.3	99.4	99.4	99.5	99.5	99.6	99.6
IV 300	85.5	94.3	95.9	97.0	98.1	98.3	98.9	99.1	99.1	99.4	99.5	99.5	99.7	99.7	99.7	99.8
IV 200	85.5	94.3	95.9	97.0	98.1	98.3	98.9	99.1	99.1	99.4	99.5	99.5	99.7	99.7	99.8	99.8
IV 100	85.5	94.3	95.9	97.0	98.1	98.3	98.9	99.1	99.1	99.4	99.5	99.5	99.7	99.7	99.8	99.9
IV 0	85.5	94.3	95.9	97.0	98.1	98.3	98.9	99.1	99.1	99.4	99.5	99.5	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 17443

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-49,56-72  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	60.3 69.7	63.5 73.6	63.9 74.0	64.1 74.3	64.2 74.4	64.3 74.5	64.4 74.5	64.4 74.6	64.4 74.6	64.4 74.6	64.5 74.6	64.5 74.6	64.5 74.7	64.5 74.7	64.5 74.7	64.5 74.7
IV 18000 IV 16000	69.8 70.1	73.7 74.0	74.1 74.4	74.4 74.7	74.5 74.8	74.6 74.8	74.6 74.9	74.6 74.9	74.7 75.0	74.7 75.0	74.7 75.0	74.7 75.0	74.8 75.1	74.8 75.1	74.8 75.1	74.8 75.1
IV 14000 IV 12000	70.7 72.5	74.7 76.8	75.1 77.2	75.4 77.6	75.5 77.7	75.5 77.8	75.6 77.8	75.6 77.9	75.7 77.9	75.7 77.9	75.7 77.9	75.7 77.9	75.8 78.0	75.8 78.0	75.8 78.0	75.8 78.0
IV 10000 IV 9000	75.0 75.9	79.6 80.7	80.1 81.1	80.4 81.5	80.6 81.6	80.6 81.6	80.7 81.7	80.7 81.8	80.7 81.8	80.8 81.9	80.8 81.9	80.8 81.9	80.8 81.9	80.8 81.9	80.9 81.9	80.9 81.9
IV 8000 IV 7000	78.4 79.9	83.6 85.5	84.1 86.0	84.5 86.4	84.7 86.6	84.7 86.6	84.8 86.7	84.8 86.7	84.8 86.8	84.9 86.8	84.9 86.8	84.9 86.8	84.9 86.8	84.9 86.9	85.0 86.9	85.0 86.9
IV 6000 IV 5000	81.1 82.7	86.9 88.9	87.4 89.6	87.9 90.2	88.1 90.4	88.1 90.5	88.2 90.6	88.2 90.6	88.2 90.6	88.3 90.7	88.3 90.7	88.3 90.7	88.4 90.8	88.4 90.8	88.4 90.8	88.4 90.8
IV 4500 IV 4000	83.3 84.9	89.6 91.6	90.3 92.5	90.9 93.1	91.1 93.4	91.2 93.4	91.3 93.6	91.3 93.6	91.3 93.6	91.4 93.7	91.4 93.7	91.4 93.7	91.5 93.8	91.5 93.8	91.5 93.8	91.5 93.8
IV 3500 IV 3000	85.4 86.3	92.4 93.6	93.3 94.5	93.9 95.2	94.3 95.6	94.3 95.6	94.4 95.7	94.5 95.8	94.5 95.8	94.6 95.9	94.6 95.9	94.6 95.9	94.7 96.0	94.7 96.0	94.7 96.0	94.7 96.0
IV 2500 IV 2000	86.9 87.3	94.4 95.1	95.3 96.1	96.0 96.8	96.4 97.2	96.4 97.3	96.6 97.4	96.6 97.4	96.6 97.4	96.7 97.5	96.7 97.5	96.7 97.5	96.8 97.6	96.8 97.6	96.8 97.6	96.8 97.6
IV 1800 IV 1500	87.3 87.6	95.3 95.7	96.3 96.7	97.0 97.4	97.4 97.8	97.4 97.9	97.6 98.1	97.6 98.1	97.6 98.1	97.7 98.2	97.7 98.2	97.7 98.2	97.8 98.3	97.8 98.3	97.9 98.3	97.9 98.3
IV 1200 IV 1000	87.8 87.9	96.1 96.4	97.1 97.5	98.0 98.3	98.4 98.7	98.4 98.8	98.6 99.0	98.6 99.0	98.7 99.0	98.8 99.2	98.8 99.2	98.8 99.2	98.9 99.3	98.9 99.3	98.9 99.3	98.9 99.3
IV 900 IV 800	87.9 87.9	96.5 96.6	97.6 97.7	98.4 98.5	98.9 99.0	98.9 99.0	99.1 99.2	99.1 99.2	99.2 99.3	99.3 99.4	99.3 99.4	99.3 99.4	99.4 99.5	99.4 99.5	99.5 99.5	99.5 99.5
IV 700 IV 600	87.9 87.9	96.7 96.7	97.8 97.8	98.6 98.7	99.1 99.1	99.1 99.2	99.4 99.4	99.4 99.5	99.4 99.5	99.6 99.6	99.6 99.7	99.6 99.7	99.7 99.7	99.7 99.8	99.7 99.8	99.7 99.8
IV 500 IV 400	88.0 88.0	96.7 96.7	97.8 97.8	98.7 98.7	99.2 99.2	99.2 99.2	99.5 99.5	99.5 99.5	99.5 99.6	99.7 99.7	99.7 99.8	99.7 99.8	99.8 99.8	99.8 99.9	99.8 99.9	99.9 99.9
IV 300 IV 200	88.0 88.0	96.7 96.7	97.8 97.8	98.7 98.7	99.2 99.2	99.2 99.2	99.5 99.5	99.5 99.5	99.6 99.6	99.7 99.8	99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 100.0
IV 100 IV 0	88.0 88.0	96.7 96.7	97.8 97.8	98.7 98.7	99.2 99.2	99.2 99.2	99.5 99.5	99.5 99.5	99.6 99.6	99.7 99.7	99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 18696

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF 38-49,56-72

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING IV 20000	60.3 68.4	64.7 73.4	65.3 74.1	65.5 74.3	65.6 74.6	65.7 74.7	65.8 74.8	65.8 74.8	65.8 74.8	65.9 74.9	65.9 74.9	65.9 74.9	65.9 74.9	65.9 74.9	66.0 74.9	66.0 75.0
IV 18000	68.4 68.5	73.5 73.6	74.1 74.3	74.4 74.5	74.7 74.8	74.7 74.8	74.8 74.9	74.9 75.0	74.9 75.0	74.9 75.0	74.9 75.0	74.9 75.0	75.0 75.1	75.0 75.1	75.0 75.1	75.1 75.2
IV 14000	69.0 70.5	74.2 75.9	74.9 76.6	75.1 76.8	75.4 77.2	75.5 77.2	75.6 77.3	75.6 77.3	75.6 77.4	75.7 77.4	75.7 77.4	75.7 77.4	75.7 77.5	75.7 77.5	75.7 77.5	75.8 77.5
IV 12000	72.6 73.6	78.4 79.7	79.2 80.5	79.5 80.8	79.8 81.2	79.9 81.2	80.0 81.3	80.0 81.4	80.0 81.4	80.1 81.4	80.1 81.4	80.1 81.4	80.1 81.5	80.1 81.5	80.2 81.5	80.2 81.6
IV 10000	75.5 76.9	82.0 83.8	82.8 84.7	83.2 85.1	83.6 85.5	83.6 85.6	83.8 85.7	83.8 85.7	83.8 85.7	83.9 85.8	83.9 85.8	83.9 85.8	83.9 85.8	83.9 85.8	84.0 85.9	84.0 85.9
IV 8000	77.8 79.4	84.9 86.9	85.8 87.9	86.2 88.4	86.7 88.9	86.7 88.9	86.8 89.1	86.9 89.1	86.9 89.1	86.9 89.2	86.9 89.2	86.9 89.2	87.0 89.2	87.0 89.2	87.0 89.3	87.1 89.3
IV 6000	80.0 81.2	87.7 89.6	88.8 90.6	89.3 91.2	89.7 91.7	89.8 91.8	89.9 92.0	90.0 92.0	90.0 92.0	90.1 92.1	90.1 92.1	90.1 92.1	90.1 92.1	90.1 92.1	90.1 92.2	90.2 92.2
IV 4500	81.6 82.2	90.2 91.0	91.2 92.2	91.8 92.9	92.4 93.5	92.5 93.6	92.7 93.8	92.7 93.8	92.7 93.8	92.8 93.9	92.8 93.9	92.8 93.9	92.9 94.0	92.9 94.0	92.9 94.0	93.0 94.1
IV 3500	82.7 83.3	91.7 92.6	92.9 93.9	93.6 94.7	94.2 95.4	94.3 95.5	94.5 95.7	94.6 95.8	94.6 95.8	94.7 95.9	94.7 95.9	94.7 95.9	94.7 96.0	94.7 96.0	94.8 96.0	94.8 96.1
IV 2500	83.4 83.8	92.8 93.4	94.2 94.8	95.0 95.6	95.7 96.4	95.8 96.5	96.0 96.7	96.1 96.8	96.1 96.8	96.2 96.9	96.2 96.9	96.2 96.9	96.2 97.0	96.2 97.0	96.3 97.0	96.3 97.1
IV 1800	84.1 84.4	93.9 94.4	95.4 96.0	96.3 96.9	97.1 97.7	97.2 97.9	97.5 98.1	97.5 98.2	97.6 98.3	97.7 98.4	97.7 98.4	97.7 98.4	97.8 98.5	97.8 98.5	97.8 98.5	97.9 98.6
IV 1200	84.4 84.5	94.5 94.8	96.1 96.3	97.1 97.2	97.9 98.1	98.1 98.3	98.3 98.6	98.5 98.7	98.5 98.7	98.6 98.8	98.6 98.9	98.6 98.9	98.7 98.9	98.7 98.9	98.7 99.0	98.8 99.0
IV 900	84.5 84.6	94.7 94.9	96.3 96.5	97.2 97.6	98.1 98.6	98.3 98.8	98.6 99.1	98.7 99.2	98.7 99.3	98.8 99.4	98.9 99.5	98.9 99.6	99.0 99.7	99.0 99.7	99.0 99.7	99.1 99.8
IV 700	84.6 84.6	94.9 94.9	96.5 96.6	97.6 97.7	98.6 98.7	98.8 98.9	99.1 99.3	99.2 99.4	99.3 99.5	99.4 99.6	99.5 99.7	99.6 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8
IV 500	84.6 84.6	94.9 94.9	96.6 96.6	97.7 97.7	98.7 98.7	98.9 98.9	99.2 99.3	99.3 99.4	99.4 99.5	99.5 99.6	99.6 99.7	99.6 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8
IV 400	84.6 84.6	94.9 94.9	96.6 96.6	97.7 97.7	98.7 98.7	98.9 98.9	99.2 99.3	99.3 99.4	99.4 99.5	99.5 99.6	99.6 99.7	99.6 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8
IV 300	84.6 84.6	94.9 94.9	96.6 96.6	97.7 97.7	98.7 98.7	98.9 98.9	99.2 99.3	99.3 99.4	99.4 99.5	99.5 99.6	99.6 99.7	99.6 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8
IV 200	84.6 84.6	94.9 94.9	96.6 96.6	97.7 97.7	98.7 98.7	98.9 98.9	99.2 99.3	99.3 99.4	99.4 99.5	99.5 99.6	99.6 99.7	99.6 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8
IV 100	84.6 84.6	94.9 94.9	96.6 96.6	97.7 97.7	98.7 98.7	98.9 98.9	99.2 99.3	99.3 99.4	99.4 99.5	99.5 99.6	99.6 99.7	99.6 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8
IV 0	84.6 84.6	94.9 94.9	96.6 96.6	97.7 97.7	98.7 98.7	98.9 98.9	99.2 99.3	99.3 99.4	99.4 99.5	99.5 99.6	99.6 99.7	99.6 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8

TOTAL NUMBER OF OBSERVATIONS 19257

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	58.5	62.8	63.4	63.7	63.9	63.9	64.1	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.4
IV 20000	64.2	69.3	70.0	70.4	70.7	70.7	70.8	70.9	70.9	71.0	71.0	71.0	71.1	71.1	71.2	71.3
IV 18000	64.3	69.4	70.1	70.5	70.8	70.8	70.9	71.0	71.0	71.1	71.1	71.1	71.2	71.2	71.3	71.4
IV 16000	64.3	69.5	70.2	70.6	70.8	70.9	71.0	71.0	71.0	71.1	71.1	71.1	71.2	71.2	71.3	71.4
IV 14000	64.7	69.9	70.6	71.0	71.3	71.3	71.4	71.5	71.5	71.6	71.6	71.6	71.7	71.7	71.8	71.9
IV 12000	66.1	71.5	72.2	72.6	72.9	72.9	73.1	73.1	73.1	73.2	73.3	73.3	73.3	73.3	73.4	73.5
IV 10000	67.9	73.5	74.4	74.8	75.1	75.2	75.3	75.3	75.3	75.5	75.5	75.5	75.6	75.6	75.6	75.7
IV 9000	68.4	74.2	75.0	75.4	75.8	75.8	75.9	76.0	76.0	76.1	76.1	76.1	76.2	76.2	76.3	76.4
IV 8000	70.2	76.5	77.3	77.8	78.1	78.2	78.3	78.3	78.4	78.5	78.5	78.5	78.6	78.6	78.7	78.8
IV 7000	71.2	77.8	78.7	79.1	79.5	79.6	79.7	79.8	79.8	79.9	80.0	80.0	80.0	80.0	80.1	80.2
IV 6000	72.2	79.1	80.0	80.5	80.9	80.9	81.1	81.1	81.1	81.3	81.3	81.3	81.4	81.4	81.5	81.5
IV 5000	73.6	80.9	81.9	82.4	82.9	82.9	83.1	83.1	83.2	83.3	83.3	83.3	83.4	83.4	83.5	83.6
IV 4500	74.1	81.4	82.5	83.0	83.5	83.6	83.7	83.8	83.8	83.9	84.0	84.0	84.0	84.0	84.1	84.2
IV 4000	75.3	83.2	84.4	84.9	85.5	85.5	85.7	85.8	85.8	85.9	86.0	86.0	86.1	86.1	86.1	86.2
IV 3500	75.8	84.1	85.2	85.9	86.4	86.5	86.7	86.7	86.7	86.9	86.9	86.9	87.0	87.0	87.1	87.2
IV 3000	76.8	85.5	86.8	87.5	88.0	88.1	88.4	88.4	88.4	88.6	88.6	88.6	88.7	88.7	88.8	88.9
IV 2500	77.3	86.4	87.7	88.4	89.1	89.2	89.4	89.5	89.5	89.6	89.7	89.7	89.8	89.8	89.8	89.9
IV 2000	78.3	87.9	89.4	90.2	90.9	91.0	91.3	91.4	91.4	91.5	91.6	91.6	91.6	91.7	91.7	91.8
IV 1800	78.5	88.3	89.8	90.6	91.4	91.5	91.8	91.9	91.9	92.0	92.1	92.1	92.2	92.2	92.2	92.3
IV 1500	79.0	89.2	90.8	91.7	92.5	92.6	92.9	93.0	93.0	93.2	93.2	93.2	93.3	93.3	93.4	93.5
IV 1200	79.6	90.5	92.2	93.1	94.0	94.2	94.5	94.5	94.6	94.7	94.8	94.8	94.9	94.9	94.9	95.0
IV 1000	80.0	91.4	93.3	94.3	95.4	95.6	95.9	96.0	96.0	96.2	96.3	96.3	96.4	96.4	96.5	96.6
IV 900	80.1	91.8	93.7	94.8	95.9	96.0	96.4	96.5	96.5	96.7	96.7	96.7	96.8	96.8	96.9	97.0
IV 800	80.2	92.1	94.0	95.2	96.4	96.6	97.0	97.1	97.1	97.3	97.4	97.4	97.5	97.5	97.6	97.7
IV 700	80.2	92.2	94.2	95.4	96.6	96.8	97.2	97.4	97.4	97.7	97.8	97.8	97.9	97.9	98.0	98.1
IV 600	80.3	92.5	94.6	95.9	97.2	97.4	97.8	98.0	98.0	98.3	98.4	98.4	98.5	98.5	98.6	98.7
IV 500	80.3	92.6	94.8	96.1	97.5	97.8	98.3	98.4	98.5	98.8	98.9	98.9	99.0	99.0	99.1	99.2
IV 400	80.3	92.6	94.9	96.3	97.7	97.9	98.5	98.7	98.7	99.0	99.1	99.1	99.2	99.2	99.3	99.4
IV 300	80.3	92.6	94.9	96.3	97.7	98.0	98.6	98.8	98.8	99.2	99.3	99.3	99.5	99.5	99.6	99.7
IV 200	80.3	92.6	94.9	96.3	97.7	98.0	98.6	98.8	98.8	99.2	99.4	99.4	99.5	99.6	99.7	99.8
IV 100	80.3	92.6	94.9	96.3	97.7	98.0	98.6	98.8	98.8	99.3	99.4	99.4	99.6	99.6	99.8	99.9
IV 0	80.3	92.6	94.9	96.3	97.7	98.0	98.6	98.8	98.8	99.3	99.4	99.4	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 19148

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥
NO CEILING ≥ 20000	59.0 64.3	64.4 70.6	65.3 71.6	65.9 72.2	66.2 72.6	66.2 72.6	66.3 72.7	66.3 72.7	66.3 72.7	66.5 72.9	66.5 72.9	66.5 72.9	66.6 73.0	66.6 73.0	66.7 73.1	66.7 73.1
IV 18000	64.4	70.7	71.7	72.3	72.6	72.6	72.7	72.8	72.8	72.9	73.0	73.0	73.1	73.1	73.2	73.2
IV 16000	64.4	70.8	71.7	72.4	72.7	72.7	72.8	72.8	72.9	73.0	73.1	73.1	73.2	73.2	73.2	73.2
IV 14000	64.7	71.2	72.2	72.8	73.1	73.2	73.3	73.3	73.3	73.5	73.5	73.5	73.6	73.6	73.7	73.7
IV 12000	66.1	72.7	73.6	74.3	74.6	74.6	74.7	74.8	74.8	75.0	75.0	75.0	75.1	75.1	75.2	75.2
IV 10000	67.8	74.6	75.6	76.2	76.6	76.6	76.7	76.7	76.8	76.9	77.0	77.0	77.1	77.1	77.1	77.1
IV 9000	68.3	75.1	76.2	76.8	77.2	77.2	77.3	77.3	77.3	77.5	77.5	77.5	77.6	77.6	77.7	77.7
IV 8000	69.9	77.1	78.2	78.9	79.3	79.3	79.4	79.4	79.5	79.6	79.7	79.7	79.8	79.8	79.8	79.8
IV 7000	70.9	78.3	79.5	80.2	80.6	80.6	80.7	80.7	80.8	80.9	81.0	81.0	81.1	81.1	81.1	81.1
IV 6000	71.8	79.6	80.8	81.5	81.9	81.9	82.0	82.1	82.1	82.2	82.3	82.3	82.4	82.4	82.5	82.5
IV 5000	73.0	81.2	82.5	83.3	83.7	83.7	83.8	83.9	83.9	84.1	84.1	84.1	84.2	84.2	84.3	84.3
IV 4500	73.4	81.8	83.1	83.9	84.3	84.3	84.4	84.5	84.5	84.7	84.7	84.7	84.8	84.8	84.9	84.9
IV 4000	74.0	82.6	84.0	84.8	85.3	85.3	85.4	85.5	85.5	85.6	85.7	85.7	85.8	85.8	85.9	85.9
IV 3500	74.6	83.4	84.8	85.7	86.1	86.1	86.3	86.3	86.3	86.5	86.5	86.5	86.6	86.6	86.7	86.7
IV 3000	75.5	84.7	86.3	87.2	87.7	87.7	87.8	87.9	87.9	88.1	88.1	88.1	88.2	88.2	88.3	88.3
IV 2500	76.2	85.8	87.3	88.3	88.8	88.8	89.0	89.0	89.0	89.2	89.2	89.2	89.3	89.3	89.4	89.4
IV 2000	77.3	87.2	88.9	90.0	90.5	90.6	90.7	90.8	90.8	90.9	91.0	91.0	91.1	91.1	91.2	91.2
IV 1800	77.7	87.8	89.6	90.6	91.2	91.2	91.4	91.4	91.4	91.6	91.7	91.7	91.8	91.8	91.8	91.8
IV 1500	78.2	88.8	90.7	91.8	92.4	92.4	92.6	92.7	92.7	92.8	92.9	92.9	93.0	93.0	93.1	93.1
IV 1200	78.7	89.9	92.0	93.2	93.9	94.0	94.2	94.2	94.3	94.4	94.5	94.5	94.6	94.6	94.7	94.7
IV 1000	79.0	90.6	92.8	94.2	95.0	95.1	95.3	95.4	95.4	95.6	95.7	95.7	95.8	95.8	95.9	95.9
IV 900	79.1	90.9	93.2	94.7	95.7	95.7	96.0	96.1	96.1	96.3	96.4	96.4	96.5	96.5	96.6	96.6
IV 800	79.2	91.2	93.6	95.3	96.3	96.4	96.7	96.8	96.8	97.1	97.1	97.1	97.2	97.2	97.3	97.3
IV 700	79.3	91.4	93.9	95.6	96.7	96.9	97.2	97.4	97.4	97.7	97.7	97.7	97.8	97.8	97.9	97.9
IV 600	79.3	91.5	94.0	95.8	97.0	97.2	97.7	97.8	97.9	98.1	98.2	98.2	98.3	98.3	98.4	98.4
IV 500	79.3	91.6	94.2	96.0	97.3	97.5	98.0	98.2	98.3	98.6	98.7	98.7	98.8	98.8	98.9	98.9
IV 400	79.3	91.6	94.2	96.1	97.4	97.6	98.2	98.4	98.5	98.9	99.0	99.0	99.2	99.2	99.2	99.2
IV 300	79.3	91.6	94.2	96.1	97.4	97.6	98.2	98.5	98.6	99.0	99.2	99.2	99.4	99.4	99.5	99.5
IV 200	79.3	91.6	94.2	96.1	97.4	97.7	98.3	98.5	98.6	99.1	99.3	99.3	99.6	99.6	99.7	99.7
IV 100	79.3	91.6	94.2	96.1	97.4	97.7	98.3	98.5	98.6	99.1	99.3	99.3	99.6	99.6	99.7	99.7
IV 0	79.3	91.6	94.2	96.1	97.4	97.7	98.3	98.5	98.6	99.1	99.3	99.4	99.6	99.6	99.7	100

TOTAL NUMBER OF OBSERVATIONS 197

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49.56-72  
YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING ≥ 20000	53.0 59.5	57.0 64.5	57.5 65.2	57.9 65.6	58.1 65.9	58.2 65.9	58.3 66.1	58.3 66.1	58.3 66.1	58.4 66.2	58.5 66.3	58.5 66.3	58.6 66.3	58.6 66.4	58.7 66.4	58.8 66.5
IV 18000 16000	59.7 59.8	64.7 64.7	65.4 65.5	65.8 65.9	66.1 66.2	66.1 66.2	66.3 66.4	66.3 66.4	66.3 66.4	66.4 66.5	66.5 66.6	66.5 66.6	66.6 66.6	66.6 66.6	66.6 66.7	66.7 66.8
IV 14000 12000	60.1 61.8	65.2 67.0	65.9 67.7	66.3 68.1	66.6 68.4	66.7 68.5	66.8 68.6	66.8 68.7	66.9 68.7	66.9 68.7	67.0 68.8	67.0 68.8	67.1 68.9	67.1 68.9	67.2 69.0	67.3 69.1
IV 10000 9000	63.6 64.0	68.9 69.5	69.7 70.2	70.1 70.6	70.4 71.0	70.4 71.0	70.6 71.1	70.6 71.2	70.6 71.2	70.7 71.3	70.8 71.3	70.8 71.3	70.9 71.4	70.9 71.4	70.9 71.5	71.0 71.6
IV 8000 7000	65.3 66.2	71.0 72.1	71.8 72.9	72.2 73.4	72.5 73.7	72.6 73.7	72.7 73.9	72.8 73.9	72.8 73.9	72.9 74.0	72.9 74.1	72.9 74.1	73.0 74.2	73.0 74.2	73.1 74.2	73.2 74.3
IV 6000 5000	66.8 67.8	73.0 74.1	73.8 75.0	74.3 75.4	74.7 75.9	74.7 76.0	74.9 76.2	74.9 76.2	75.0 76.2	75.0 76.3	75.1 76.4	75.1 76.4	75.2 76.5	75.2 76.5	75.3 76.6	75.4 76.7
IV 4500 4000	68.1 69.1	74.6 75.9	75.5 76.9	76.1 77.6	76.5 78.0	76.5 78.1	76.7 78.3	76.7 78.3	76.8 78.3	76.9 78.4	76.9 78.5	76.9 78.5	77.0 78.6	77.0 78.6	77.1 78.7	77.2 78.8
IV 3500 3000	69.9 71.2	76.9 78.7	77.9 79.7	78.5 80.4	79.0 80.9	79.1 81.0	79.3 81.2	79.3 81.3	79.3 81.3	79.4 81.4	79.5 81.5	79.5 81.5	79.6 81.6	79.6 81.6	79.7 81.7	79.8 81.8
IV 2500 2000	72.1 73.7	80.1 82.4	81.2 83.7	81.9 84.5	82.4 85.1	82.5 85.2	82.8 85.4	82.8 85.5	82.9 85.6	83.0 85.7	83.1 85.7	83.1 85.8	83.1 85.8	83.2 85.8	83.2 85.9	83.3 86.0
IV 1800 1500	74.3 75.5	83.3 85.4	84.6 86.9	85.5 87.8	86.1 88.5	86.2 88.6	86.5 89.0	86.5 89.1	86.5 89.1	86.7 89.2	86.8 89.3	86.8 89.3	86.8 89.4	86.9 89.4	86.9 89.5	87.0 89.6
IV 1200 1000	76.4 76.9	87.4 88.5	89.1 90.5	90.2 91.8	91.0 92.8	91.1 92.9	91.5 93.4	91.6 93.5	91.6 93.6	91.8 93.7	91.9 93.8	91.9 93.8	92.0 94.0	92.0 94.0	92.0 94.0	92.1 94.1
IV 900 800	77.0 77.2	89.0 89.4	91.2 91.9	92.6 93.3	93.5 94.5	93.8 94.7	94.2 95.2	94.4 95.5	94.4 95.5	94.6 95.7	94.7 95.9	94.7 95.9	94.9 96.0	94.9 96.0	94.9 96.1	95.0 96.2
IV 700 600	77.2 77.2	89.7 90.0	92.2 92.6	93.8 94.2	95.2 95.7	95.4 95.9	96.0 96.6	96.2 96.9	96.3 97.0	96.5 97.3	96.7 97.4	96.7 97.5	96.8 97.6	96.9 97.7	96.9 97.7	97.0 97.8
IV 500 400	77.2 77.2	90.1 90.1	92.8 92.8	94.5 94.7	96.0 96.4	96.3 96.7	97.0 97.5	97.4 97.9	97.5 97.9	97.9 98.4	98.1 98.7	98.1 98.7	98.3 98.9	98.3 98.9	98.4 99.1	98.5 99.2
IV 300 200	77.2 77.2	90.1 90.1	92.9 92.9	94.8 94.8	96.4 96.5	96.7 96.7	97.6 97.6	98.0 98.0	98.1 98.1	98.7 98.8	98.9 99.0	99.0 99.1	99.2 99.3	99.2 99.4	99.4 99.5	99.5 99.7
IV 100 0	77.2 77.2	90.1 90.1	92.9 92.9	94.8 94.8	96.5 96.5	96.7 96.7	97.6 97.6	98.1 98.1	98.1 98.1	98.8 98.8	99.1 99.1	99.1 99.1	99.4 99.4	99.5 99.5	99.6 99.7	100.0 100.0

TOTAL: NUMBER OF OBSERVATIONS 19289

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49.56-72  
YEARS

CEC  
UNIT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	47.5	51.4	51.9	52.3	52.6	52.6	52.9	52.8	52.8	52.9	52.9	52.9	53.0	53.0	53.1	53.1
≥ 20000	54.7	59.8	60.9	61.0	61.4	61.4	61.5	61.6	61.6	61.7	61.7	61.7	61.8	61.8	61.9	61.9
IV 18000	54.9	60.0	60.7	61.2	61.6	61.6	61.8	61.8	61.8	61.9	61.9	61.9	62.0	62.0	62.1	62.2
IV 16000	55.1	60.2	60.9	61.4	61.7	61.8	61.9	62.0	62.0	62.1	62.1	62.1	62.2	62.2	62.3	62.3
IV 14000	55.4	60.6	61.3	61.8	62.2	62.2	62.4	62.4	62.4	62.5	62.5	62.5	62.6	62.6	62.7	62.8
IV 12000	56.6	62.0	62.8	63.3	63.7	63.7	63.9	63.9	63.9	64.0	64.0	64.0	64.1	64.1	64.2	64.3
IV 10000	58.8	64.4	65.1	65.7	66.1	66.1	66.2	66.3	66.3	66.4	66.4	66.4	66.5	66.5	66.6	66.6
IV 9000	59.4	65.1	65.9	66.4	66.8	66.8	67.0	67.0	67.0	67.1	67.2	67.2	67.2	67.2	67.3	67.4
IV 8000	60.7	66.6	67.4	68.0	68.4	68.4	68.6	68.6	68.6	68.7	68.7	68.7	68.8	68.8	68.9	69.0
IV 7000	61.7	67.8	68.7	69.2	69.7	69.7	69.9	69.9	69.9	70.0	70.1	70.1	70.2	70.2	70.3	70.3
IV 6000	62.4	68.7	69.5	70.1	70.6	70.6	70.8	70.8	70.8	70.9	71.0	71.0	71.0	71.1	71.1	71.2
IV 5000	63.4	70.0	70.9	71.5	72.0	72.0	72.2	72.2	72.2	72.3	72.4	72.4	72.5	72.5	72.5	72.6
IV 4500	63.8	70.5	71.4	72.1	72.5	72.6	72.7	72.8	72.8	72.9	72.9	72.9	73.0	73.0	73.1	73.2
IV 4000	64.5	71.4	72.4	73.1	73.5	73.6	73.7	73.8	73.8	73.9	73.9	73.9	74.0	74.0	74.1	74.2
IV 3500	65.1	72.2	73.2	73.9	74.4	74.5	74.6	74.7	74.7	74.8	74.8	74.8	74.9	74.9	75.0	75.1
IV 3000	66.1	73.6	74.7	75.4	76.0	76.1	76.2	76.3	76.3	76.4	76.4	76.5	76.5	76.5	76.6	76.7
IV 2500	67.1	75.1	76.3	77.1	77.7	77.8	78.0	78.0	78.0	78.2	78.2	78.2	78.3	78.3	78.4	78.4
IV 2000	68.8	77.6	78.9	79.8	80.5	80.5	80.8	80.9	80.9	81.1	81.1	81.1	81.2	81.2	81.3	81.3
IV 1800	69.3	78.3	79.7	80.6	81.3	81.4	81.7	81.8	81.8	81.9	82.0	82.0	82.1	82.1	82.2	82.2
IV 1500	70.0	79.7	81.1	82.2	83.1	83.1	83.5	83.6	83.7	83.8	83.9	83.9	84.0	84.0	84.1	84.1
IV 1200	71.0	81.5	83.1	84.3	85.3	85.3	85.9	86.1	86.1	86.3	86.3	86.5	86.6	86.6	86.7	86.7
IV 1000	71.5	82.6	84.5	86.1	87.3	87.3	87.5	88.1	88.3	88.4	88.8	88.9	89.1	89.1	89.2	89.3
IV 900	71.7	83.3	85.3	87.0	88.4	88.7	89.3	89.6	89.6	90.0	90.2	90.2	90.4	90.4	90.5	90.6
IV 800	72.0	83.9	86.1	88.0	89.6	89.9	90.7	91.0	91.1	91.6	91.8	91.8	92.0	92.0	92.1	92.2
IV 700	72.1	84.3	86.6	88.7	90.4	90.8	91.7	92.1	92.2	92.8	93.1	93.1	93.3	93.3	93.5	93.6
IV 600	72.1	84.7	87.1	89.3	91.2	91.6	92.7	93.1	93.3	94.0	94.4	94.4	94.7	94.7	94.9	95.0
IV 500	72.2	84.8	87.4	89.7	91.7	92.2	93.5	94.0	94.1	95.0	95.5	95.5	95.9	95.9	96.1	96.2
IV 400	72.2	85.0	87.6	90.0	92.1	92.6	94.0	94.6	94.8	95.8	96.4	96.4	96.9	96.9	97.1	97.2
IV 300	72.2	85.0	87.6	90.1	92.3	92.8	94.3	95.0	95.2	96.5	97.4	97.5	97.7	97.7	97.8	97.8
IV 200	72.2	85.0	87.6	90.1	92.3	92.8	94.4	95.1	95.3	96.7	97.7	97.7	97.8	97.8	98.1	98.2
IV 100	72.2	85.0	87.6	90.1	92.3	92.8	94.4	95.1	95.3	96.7	97.7	97.7	97.8	97.8	98.1	98.2
IV 0	72.2	85.0	87.6	90.1	92.3	92.8	94.4	95.1	95.3	96.7	97.7	97.7	97.8	97.8	98.1	98.2

TOTAL NUMBER OF OBSERVATIONS 19717



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

40-46,48-50,57-71  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	53.9	57.9	58.6	59.0	59.4	59.4	59.4	59.5	59.5	59.7	59.7	59.7	59.9	59.9	60.0	60.1
IV 20000	58.6	63.4	64.1	64.5	64.9	64.9	64.9	65.0	65.0	65.3	65.3	65.3	65.4	65.4	65.5	65.6
IV 18000	58.7	63.5	64.2	64.6	65.0	65.0	65.0	65.1	65.1	65.3	65.3	65.3	65.5	65.5	65.6	65.6
IV 16000	58.8	63.6	64.4	64.8	65.2	65.2	65.2	65.3	65.3	65.5	65.5	65.5	65.7	65.7	65.7	65.8
IV 14000	58.9	63.8	64.5	64.9	65.3	65.3	65.3	65.4	65.4	65.6	65.6	65.6	65.8	65.8	65.9	65.9
IV 12000	59.9	64.7	65.5	65.9	66.2	66.2	66.3	66.4	66.4	66.6	66.6	66.6	66.8	66.8	66.8	66.9
IV 10000	61.6	66.4	67.2	67.5	67.9	67.9	68.0	68.1	68.1	68.3	68.3	68.3	68.5	68.5	68.5	68.6
IV 9000	62.0	67.0	67.7	68.1	68.5	68.5	68.5	68.6	68.6	68.8	68.8	68.8	69.0	69.0	69.1	69.2
IV 8000	63.1	68.3	69.2	69.7	70.1	70.1	70.1	70.2	70.2	70.4	70.4	70.4	70.6	70.6	70.6	70.7
IV 7000	63.9	69.2	70.2	70.7	71.1	71.1	71.1	71.2	71.2	71.4	71.4	71.4	71.6	71.6	71.7	71.8
IV 6000	64.6	70.0	71.1	71.6	72.0	72.0	72.0	72.1	72.1	72.3	72.3	72.3	72.5	72.5	72.5	72.6
IV 5000	65.3	71.0	72.2	72.7	73.1	73.1	73.1	73.2	73.2	73.4	73.4	73.4	73.6	73.6	73.7	73.7
IV 4500	65.3	71.4	72.6	73.1	73.5	73.5	73.5	73.6	73.6	73.8	73.8	73.8	74.0	74.0	74.0	74.1
IV 4000	66.0	72.1	73.4	73.9	74.4	74.4	74.4	74.5	74.5	74.7	74.7	74.7	74.9	74.9	74.9	75.0
IV 3500	66.6	73.0	74.3	74.8	75.3	75.3	75.3	75.4	75.4	75.6	75.6	75.6	75.8	75.8	75.8	75.9
IV 3000	67.3	74.4	75.7	76.3	76.8	76.8	76.9	77.0	77.0	77.2	77.2	77.2	77.4	77.4	77.5	77.6
IV 2500	68.3	75.7	77.1	77.7	78.3	78.3	78.3	78.6	78.6	78.8	78.8	78.8	79.0	79.0	79.1	79.2
IV 2000	69.6	78.2	79.6	80.5	81.2	81.2	81.5	81.6	81.6	81.8	81.8	81.8	82.1	82.1	82.1	82.2
IV 1800	70.0	78.8	80.2	81.2	81.9	81.9	82.3	82.4	82.4	82.7	82.7	82.7	82.9	82.9	82.9	83.0
IV 1500	71.0	80.4	81.9	82.9	83.7	83.9	84.3	84.4	84.4	84.8	84.8	84.8	85.0	85.0	85.1	85.1
IV 1200	71.8	81.9	83.6	84.6	85.7	85.8	86.4	86.6	86.6	86.9	86.9	86.9	87.1	87.1	87.2	87.3
IV 1000	72.2	83.3	85.0	86.3	87.3	87.5	88.1	88.3	88.3	88.7	88.7	88.7	89.0	89.0	89.0	89.1
IV 900	72.3	83.6	85.4	86.8	87.9	88.1	88.8	89.0	89.0	89.5	89.6	89.6	89.8	89.8	89.9	89.9
IV 800	72.5	84.1	86.1	87.7	89.0	89.1	89.9	90.1	90.1	90.7	90.9	90.9	91.1	91.1	91.1	91.2
IV 700	72.7	84.4	86.4	88.3	89.7	89.9	90.7	90.9	90.9	91.5	91.8	91.8	92.0	92.0	92.0	92.1
IV 600	72.9	84.7	86.8	88.9	90.4	90.6	91.6	92.1	92.1	92.9	93.2	93.2	93.5	93.5	93.5	93.6
IV 500	72.9	84.8	87.2	89.4	91.2	91.5	92.7	93.3	93.3	94.2	94.5	94.5	94.8	94.8	94.8	95.0
IV 400	72.9	84.9	87.3	89.6	91.6	91.9	93.3	94.1	94.1	95.4	95.8	95.9	96.1	96.2	96.3	96.4
IV 300	72.9	85.1	87.5	89.9	92.0	92.4	93.9	94.8	94.8	96.2	96.8	96.9	97.1	97.3	97.4	97.5
IV 200	72.9	85.1	87.5	89.9	92.0	92.5	94.0	94.8	94.8	96.3	97.1	97.2	97.7	97.8	97.9	98.1
IV 100	72.9	85.1	87.5	89.9	92.0	92.5	94.1	95.0	95.0	96.4	97.5	97.6	98.1	98.3	98.4	98.6
IV 0	72.9	85.1	87.5	89.9	92.0	92.5	94.1	95.0	95.0	96.5	97.6	97.7	98.3	98.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2308

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

40-46,48-50,57-72  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS(IST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	50.1	55.5	56.7	57.2	57.7	57.8	58.0	58.0	58.0	58.1	58.2	58.2	58.4	58.4	58.4	58.6
≥ 20000	55.1	61.4	62.5	63.1	63.6	63.7	63.9	64.0	64.0	64.1	64.2	64.2	64.4	64.4	64.4	64.5
WV 18000	55.2	61.5	62.7	63.2	63.8	63.8	64.0	64.1	64.1	64.2	64.3	64.3	64.5	64.5	64.5	64.7
WV 16000	55.4	61.8	62.9	63.5	64.0	64.1	64.3	64.4	64.4	64.5	64.6	64.6	64.8	64.8	64.8	64.9
WV 14000	55.4	61.8	62.9	63.5	64.0	64.1	64.3	64.4	64.4	64.5	64.6	64.6	64.8	64.8	64.8	64.9
WV 12000	55.9	62.4	63.5	64.1	64.6	64.7	64.9	65.0	65.0	65.1	65.2	65.2	65.4	65.4	65.4	65.5
WV 10000	57.5	64.1	65.3	65.8	66.3	66.4	66.6	66.7	66.7	66.8	66.9	66.9	67.1	67.1	67.1	67.3
WV 9000	58.0	64.7	65.8	66.4	66.9	67.0	67.2	67.3	67.3	67.4	67.5	67.5	67.6	67.6	67.7	67.8
WV 8000	59.1	66.0	67.3	67.9	68.4	68.5	68.7	68.8	68.8	68.9	69.0	69.0	69.2	69.2	69.2	69.3
WV 7000	60.0	67.1	68.4	69.0	69.5	69.6	69.8	69.9	69.9	70.0	70.1	70.1	70.3	70.3	70.3	70.5
WV 6000	60.8	68.1	69.4	70.1	70.6	70.7	70.9	71.0	71.0	71.1	71.2	71.2	71.4	71.4	71.4	71.5
WV 5000	61.1	68.8	70.2	70.8	71.4	71.4	71.6	71.7	71.7	71.8	71.9	71.9	72.1	72.1	72.1	72.3
WV 4500	61.4	69.2	70.5	71.1	71.7	71.7	72.0	72.1	72.1	72.2	72.3	72.3	72.5	72.5	72.5	72.7
WV 4000	61.8	69.8	71.1	71.8	72.4	72.4	72.7	72.7	72.7	72.9	73.0	73.0	73.1	73.1	73.2	73.3
WV 3500	62.3	70.5	71.8	72.5	73.1	73.1	73.4	73.5	73.5	73.6	73.7	73.7	73.9	73.9	73.9	74.0
WV 3000	63.4	71.9	73.3	74.0	74.6	74.6	75.0	75.1	75.1	75.2	75.3	75.3	75.5	75.5	75.5	75.6
WV 2500	64.1	72.9	74.3	75.1	75.7	75.7	76.1	76.2	76.2	76.3	76.4	76.4	76.5	76.5	76.6	76.7
WV 2000	65.7	75.8	77.1	77.9	78.7	78.8	79.3	79.4	79.4	79.5	79.6	79.6	79.8	79.8	79.8	80.0
WV 1800	66.0	76.4	77.8	78.6	79.5	79.6	80.2	80.3	80.3	80.4	80.5	80.5	80.6	80.6	80.7	80.8
WV 1500	67.3	78.3	79.7	80.7	81.6	81.7	82.3	82.4	82.4	82.6	82.8	82.8	82.9	82.9	83.0	83.1
WV 1200	68.2	80.0	81.7	82.8	83.8	83.8	84.6	84.7	84.7	85.0	85.1	85.1	85.3	85.3	85.4	85.5
WV 1000	68.9	82.1	83.8	85.2	86.4	86.5	87.3	87.4	87.4	87.9	88.0	88.0	88.2	88.2	88.3	88.4
WV 900	69.3	82.6	84.6	86.1	87.3	87.4	88.3	88.4	88.5	88.9	89.1	89.1	89.2	89.2	89.3	89.4
WV 800	69.5	83.2	85.4	87.0	88.3	88.3	89.2	89.5	89.5	90.0	90.3	90.3	90.5	90.5	90.5	90.6
WV 700	69.7	83.8	86.2	87.9	89.5	89.5	90.6	90.8	90.9	91.4	91.8	91.8	92.0	92.0	92.0	92.1
WV 600	70.0	84.3	86.9	88.7	90.3	90.4	91.6	91.9	91.9	92.7	93.0	93.0	93.2	93.2	93.3	93.4
WV 500	70.1	84.5	87.2	89.1	90.8	90.8	92.1	92.4	92.4	93.3	93.8	93.8	94.0	94.1	94.2	94.3
WV 400	70.2	84.8	87.5	89.4	91.4	91.5	92.9	93.3	93.3	94.4	95.1	95.1	95.4	95.5	95.5	95.6
WV 300	70.2	84.8	87.6	89.5	91.5	91.7	93.2	93.6	93.6	94.8	95.7	95.8	96.0	96.1	96.2	96.3
WV 200	70.2	84.8	87.6	89.5	91.5	91.7	93.3	93.8	93.8	95.2	96.7	96.7	97.0	97.2	97.3	97.5
WV 100	70.2	84.8	87.6	89.5	91.5	91.7	93.3	93.8	93.8	95.2	96.8	96.8	97.5	97.7	98.1	98.5
WV 0	70.2	84.8	87.6	89.5	91.5	91.7	93.3	93.9	94.0	95.2	96.8	96.9	97.6	97.8	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2315

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

12947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-50,57-72  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.3	51.0	52.5	53.3	53.9	53.9	54.1	54.2	54.2	54.5	54.6	54.6	54.7	54.8	54.8	54.9
IV 20000	51.2	58.0	59.5	60.5	61.2	61.2	61.3	61.6	61.6	61.9	62.1	62.1	62.2	62.3	62.3	62.5
IV 18000	51.2	58.1	59.6	60.6	61.3	61.3	61.6	61.7	61.7	62.0	62.2	62.2	62.3	62.4	62.4	62.6
IV 16000	51.4	58.3	59.8	60.8	61.5	61.5	61.8	61.9	61.9	62.2	62.4	62.4	62.5	62.6	62.6	62.8
IV 14000	51.6	58.6	60.1	61.1	61.7	61.8	62.1	62.2	62.2	62.5	62.7	62.7	62.8	62.9	62.9	63.0
IV 12000	52.4	59.6	61.2	62.2	62.9	63.0	63.2	63.4	63.4	63.7	63.8	63.8	64.0	64.0	64.0	64.2
IV 10000	53.6	61.0	62.6	63.6	64.3	64.3	64.6	64.7	64.7	65.0	65.2	65.2	65.3	65.4	65.4	65.6
IV 9000	53.9	61.3	62.9	63.9	64.6	64.7	65.0	65.1	65.1	65.4	65.6	65.6	65.7	65.8	65.8	65.9
IV 8000	55.1	62.9	64.5	65.5	66.2	66.3	66.6	66.7	66.7	67.0	67.2	67.2	67.3	67.4	67.4	67.5
IV 7000	56.4	64.5	66.1	67.1	67.9	67.9	68.2	68.3	68.3	68.7	68.8	68.8	68.9	69.0	69.0	69.2
IV 6000	57.0	65.4	67.1	68.1	68.8	68.9	69.2	69.3	69.3	69.6	69.8	69.8	69.9	70.0	70.0	70.2
IV 5000	57.4	66.0	67.7	68.7	69.5	69.6	69.9	70.0	70.0	70.4	70.5	70.5	70.6	70.7	70.7	70.9
IV 4500	57.5	66.0	67.8	68.9	69.7	69.8	70.1	70.2	70.2	70.6	70.7	70.7	70.8	70.9	70.9	71.1
IV 4000	57.8	66.7	68.4	69.5	70.4	70.4	70.8	70.9	70.9	71.2	71.4	71.4	71.5	71.6	71.6	71.7
IV 3500	58.2	67.2	68.9	70.1	71.0	71.1	71.5	71.6	71.6	72.0	72.1	72.1	72.2	72.3	72.3	72.5
IV 3000	58.9	68.3	70.0	71.3	72.2	72.4	72.8	73.0	73.0	73.4	73.6	73.6	73.7	73.8	73.8	73.9
IV 2500	59.7	69.5	71.3	72.6	73.8	73.9	74.4	74.6	74.6	75.1	75.2	75.2	75.3	75.4	75.4	75.6
IV 2000	61.0	71.6	73.5	74.9	76.2	76.3	77.0	77.2	77.2	77.6	77.8	77.8	78.0	78.0	78.0	78.2
IV 1800	61.5	72.4	74.2	75.7	77.1	77.2	77.9	78.1	78.1	78.5	78.7	78.7	78.8	78.9	78.9	79.1
IV 1500	62.5	74.5	76.3	78.2	79.7	79.8	80.7	80.9	80.9	81.5	81.7	81.7	81.9	82.0	82.0	82.1
IV 1200	63.2	75.7	77.8	79.8	81.4	81.6	82.5	82.7	82.7	83.4	83.6	83.6	83.7	83.8	83.8	84.0
IV 1000	64.0	77.4	79.8	82.0	83.7	83.9	84.9	85.2	85.2	86.1	86.4	86.4	86.6	86.7	86.7	86.8
IV 900	64.2	77.9	80.4	82.8	84.6	84.8	85.9	86.2	86.2	87.2	87.5	87.5	87.7	87.8	87.8	88.0
IV 800	64.4	78.6	81.3	83.8	85.7	86.0	87.3	87.7	87.7	88.7	88.9	88.9	89.2	89.3	89.3	89.4
IV 700	64.4	78.8	81.6	84.2	86.3	86.6	88.1	88.5	88.5	89.7	90.0	90.0	90.3	90.4	90.4	90.6
IV 600	64.4	79.1	82.1	85.1	87.2	87.5	89.1	89.5	89.5	90.9	91.3	91.3	91.6	91.7	91.7	92.0
IV 500	64.5	79.4	82.4	85.7	88.1	88.4	90.2	90.8	90.8	92.4	92.9	92.9	93.4	93.5	93.5	93.7
IV 400	64.5	79.5	82.5	86.0	88.7	89.0	91.2	92.0	92.0	93.9	94.6	94.6	95.1	95.2	95.2	95.5
IV 300	64.5	79.5	82.6	86.0	88.9	89.2	91.5	92.6	92.6	94.6	95.5	95.5	96.1	96.2	96.2	96.6
IV 200	64.5	79.5	82.6	86.0	88.9	89.3	91.7	92.8	92.8	95.0	95.9	95.9	96.7	96.9	97.1	97.5
IV 100	64.5	79.5	82.6	86.0	88.9	89.3	91.8	93.0	93.0	95.2	96.4	96.4	97.4	97.7	98.1	98.6
IV 0	64.5	79.5	82.6	86.0	88.9	89.3	91.8	93.0	93.0	95.2	96.5	96.5	97.5	97.9	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2486

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-50.57-72  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.1	47.9	48.8	49.2	49.3	49.5	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 20000	50.6	57.3	58.4	59.0	59.4	59.6	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.1
IV 18000	50.9	57.6	58.0	59.3	59.7	59.9	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4
IV 16000	51.0	57.8	58.9	59.4	59.8	60.1	60.3	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.6
IV 14000	51.5	58.3	59.4	60.0	60.4	60.6	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1
IV 12000	52.8	59.8	61.0	61.6	62.0	62.2	62.4	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.7
IV 10000	54.5	61.7	62.9	63.4	63.8	64.1	64.3	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 9000	55.0	62.4	63.6	64.1	64.5	64.8	65.0	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.3
IV 8000	56.3	64.0	65.2	65.9	66.3	66.5	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0
IV 7000	57.4	65.4	66.9	67.5	67.8	68.1	68.3	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.7
IV 6000	58.2	66.5	67.9	68.6	69.0	69.2	69.5	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 5000	59.0	67.6	69.1	69.8	70.3	70.6	70.8	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.2
IV 4500	59.2	67.9	69.4	70.3	70.8	71.1	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7
IV 4000	59.7	68.4	69.9	70.8	71.4	71.6	71.9	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.4
IV 3500	59.9	68.6	70.2	71.2	71.8	72.1	72.4	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.8
IV 3000	60.5	69.6	71.2	72.2	72.9	73.2	73.5	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	74.0
IV 2500	61.2	70.5	72.3	73.4	74.3	74.5	74.9	75.2	75.2	75.3	75.3	75.3	75.4	75.4	75.4	75.5
IV 2000	62.0	72.6	74.6	75.7	76.8	77.1	77.5	77.8	77.9	78.1	78.1	78.2	78.2	78.2	78.2	78.3
IV 1800	62.4	73.2	75.3	76.5	77.6	77.9	78.3	78.6	78.7	78.9	79.0	79.0	79.1	79.1	79.1	79.2
IV 1500	63.2	74.7	77.2	78.5	79.9	80.2	80.8	81.2	81.3	81.6	81.6	81.7	81.8	81.8	81.8	81.8
IV 1200	64.0	76.0	78.7	80.4	81.8	82.2	83.0	83.3	83.5	83.9	84.0	84.1	84.2	84.2	84.2	84.3
IV 1000	64.4	77.2	80.4	82.1	83.7	84.1	85.1	85.6	85.8	86.3	86.5	86.5	86.7	86.7	86.7	86.8
IV 900	64.5	77.6	81.0	83.0	84.7	85.2	86.3	86.9	87.1	87.6	87.8	87.8	88.1	88.1	88.1	88.2
IV 800	64.6	78.2	81.6	83.7	85.7	86.2	87.5	88.2	88.3	89.0	89.3	89.4	89.8	89.8	89.8	89.8
IV 700	64.6	78.4	82.3	84.5	86.7	87.3	88.9	89.8	89.9	90.8	91.1	91.2	91.6	91.6	91.6	91.7
IV 600	64.7	78.6	82.5	84.9	87.2	88.0	89.8	90.7	90.9	91.9	92.3	92.4	92.8	92.8	92.9	93.0
IV 500	64.7	78.7	82.7	85.4	87.9	88.8	90.8	92.0	92.2	93.8	94.5	94.7	95.1	95.1	95.3	95.3
IV 400	64.7	78.8	82.8	85.5	88.0	89.0	91.2	92.5	92.7	94.5	95.4	95.6	96.2	96.3	96.5	96.6
IV 300	64.7	78.8	82.9	85.6	88.1	89.1	91.4	92.9	93.1	95.3	96.5	96.7	97.6	97.7	97.8	98.0
IV 200	64.7	78.8	82.9	85.6	88.1	89.1	91.4	93.0	93.2	95.5	96.9	97.2	98.4	98.5	98.8	99.0
IV 100	64.7	78.8	82.9	85.6	88.1	89.1	91.4	93.0	93.2	95.6	97.0	97.3	98.7	98.9	99.4	99.7
IV 0	64.7	78.8	82.9	85.6	88.1	89.1	91.4	93.0	93.2	95.6	97.0	97.3	98.7	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2510

USAF ETAC

FORM  
UL 64

0-14-5(OLA)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-50.57-72  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	> ¼	≥ 0
NO CEILING ≥ 20000	47.6	49.8	50.1	50.1	50.2	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 18000	57.9	61.7	62.1	62.3	62.4	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 16000	58.2	62.0	62.4	62.6	62.7	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 14000	58.3	62.1	62.5	62.7	62.8	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 12000	59.0	62.8	63.2	63.4	63.5	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 10000	60.2	64.2	64.7	64.8	64.9	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 9000	62.2	66.5	66.9	67.1	67.2	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 8000	62.6	66.9	67.4	67.5	67.6	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 7000	63.6	68.2	68.7	68.9	69.0	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 6000	64.5	69.3	69.8	70.0	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4
IV 5000	65.7	70.7	71.3	71.5	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0
IV 4500	66.2	71.4	72.0	72.3	72.5	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 4000	66.4	71.7	72.3	72.6	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1
IV 3500	67.1	72.5	73.1	73.4	73.8	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.1
IV 3000	67.6	73.1	73.7	74.0	74.4	74.5	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 2500	68.4	74.1	74.7	75.1	75.5	75.6	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 2000	69.5	75.8	76.5	77.1	77.5	77.6	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 1800	70.8	78.1	78.8	79.4	79.9	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.3	80.3	80.3	80.3
IV 1500	71.0	78.6	79.4	80.1	80.6	80.7	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 1200	72.1	80.6	81.5	82.3	83.0	83.1	83.2	83.4	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6
IV 1000	72.8	82.1	83.3	84.4	85.1	85.3	85.6	85.9	86.0	86.2	86.2	86.2	86.3	86.3	86.3	86.3
IV 900	73.1	83.1	84.9	86.3	87.2	87.5	87.9	88.5	88.6	88.9	89.1	89.1	89.1	89.1	89.1	89.1
IV 800	73.2	83.6	85.8	87.3	88.3	88.7	89.2	89.9	90.0	90.4	90.6	90.6	90.7	90.7	90.7	90.7
IV 700	73.2	84.0	86.3	88.0	89.2	89.7	90.5	91.3	91.4	92.1	92.3	92.3	92.5	92.5	92.5	92.5
IV 600	73.2	84.5	86.8	88.8	90.3	90.8	91.9	92.8	92.9	93.6	93.9	93.9	94.1	94.1	94.1	94.1
IV 500	73.2	84.6	87.0	89.1	90.8	91.4	92.9	93.9	94.0	95.0	95.3	95.4	95.7	95.7	95.8	95.8
IV 400	73.2	84.7	87.2	89.4	91.1	91.7	93.5	94.8	94.9	96.2	96.8	97.0	97.3	97.3	97.4	97.5
IV 300	73.2	84.7	87.2	89.4	91.2	91.9	93.9	95.3	95.5	96.9	98.0	98.2	98.8	98.8	99.0	99.0
IV 200	73.2	84.7	87.2	89.4	91.2	91.9	94.0	95.4	95.5	97.1	98.3	98.5	99.3	99.4	99.4	99.5
IV 100	73.2	84.7	87.2	89.4	91.2	91.9	94.0	95.4	95.5	97.1	98.3	98.5	99.3	99.4	99.4	99.8
IV 0	73.2	84.7	87.2	89.4	91.2	91.9	94.0	95.4	95.5	97.1	98.3	98.5	99.3	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2515

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-50.57-72  
YEAR

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.0	49.8	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 20000	59.5	62.9	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.6	63.7	63.7	63.7	63.7	63.7	63.7
IV 18000	59.9	63.3	63.7	63.8	63.9	63.9	63.9	63.9	63.9	64.0	64.1	64.1	64.1	64.1	64.1	64.1
IV 16000	60.0	63.3	63.8	63.9	64.0	64.0	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 14000	60.6	64.1	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9
IV 12000	62.4	65.9	66.3	66.4	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 10000	64.7	68.4	68.9	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3
IV 9000	64.9	68.7	69.1	69.2	69.4	69.4	69.4	69.4	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6
IV 8000	65.9	70.0	70.5	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9
IV 7000	66.9	71.2	71.7	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1
IV 6000	67.7	72.3	73.0	73.1	73.3	73.3	73.3	73.3	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5
IV 5000	69.0	73.7	74.5	74.7	74.9	74.9	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1
IV 4500	69.0	73.9	74.7	75.0	75.2	75.2	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4
IV 4000	69.9	74.9	75.7	75.9	76.1	76.2	76.3	76.3	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.5
IV 3500	70.4	75.5	76.4	76.7	76.9	77.0	77.1	77.1	77.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3
IV 3000	71.6	76.9	77.8	78.2	78.4	78.4	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7
IV 2500	72.4	78.1	79.1	79.5	79.8	79.8	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1
IV 2000	73.7	80.2	81.4	82.0	82.3	82.4	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 1800	74.1	81.1	82.5	83.0	83.4	83.5	83.7	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9
IV 1500	75.6	83.8	85.4	86.1	86.6	86.7	86.9	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1200	76.1	84.9	86.9	87.8	88.6	88.7	89.1	89.2	89.2	89.4	89.5	89.5	89.5	89.5	89.5	89.5
IV 1000	76.4	85.9	88.1	89.3	90.4	90.7	91.2	91.4	91.4	91.6	91.8	91.8	91.8	91.8	91.8	91.8
IV 900	76.4	86.4	88.6	90.0	91.2	91.5	92.2	92.4	92.5	92.8	92.9	92.9	92.9	92.9	92.9	92.9
IV 800	76.4	86.7	88.9	90.5	91.9	92.3	93.1	93.7	93.8	94.1	94.3	94.3	94.4	94.4	94.4	94.4
IV 700	76.5	86.9	89.2	90.9	92.5	92.9	94.0	94.6	94.8	95.3	95.6	95.6	95.7	95.7	95.7	95.7
IV 600	76.5	86.9	89.3	91.1	93.0	93.4	94.7	95.6	95.8	96.5	96.9	96.9	97.0	97.0	97.0	97.0
IV 500	76.5	86.9	89.5	91.4	93.5	93.9	95.6	96.7	96.9	97.8	98.3	98.3	98.5	98.5	98.5	98.5
IV 400	76.5	87.0	89.5	91.4	93.6	94.0	95.7	96.8	97.1	98.0	98.5	98.5	99.0	99.0	99.0	99.1
IV 300	76.5	87.0	89.6	91.4	93.6	94.1	95.9	97.1	97.3	98.3	98.8	98.8	99.3	99.3	99.4	99.5
IV 200	76.5	87.0	89.6	91.5	93.7	94.1	95.9	97.1	97.3	98.3	98.9	98.9	99.4	99.4	99.5	99.6
IV 100	76.5	87.0	89.6	91.5	93.7	94.1	95.9	97.1	97.3	98.3	98.9	98.9	99.4	99.5	99.6	99.9
IV 0	76.5	87.0	89.6	91.5	93.7	94.1	95.9	97.1	97.3	98.3	98.9	98.9	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2510

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-46,48-50,57-72  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.7	56.3	56.5	56.8	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 20000	60.7	65.5	65.9	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 18000	61.1	65.9	66.4	66.7	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 16000	61.1	65.9	66.4	66.7	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 14000	61.2	66.2	66.6	66.9	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 12000	62.6	67.6	68.1	68.4	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 10000	64.9	70.2	70.6	71.0	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 9000	65.2	70.3	70.9	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 8000	66.0	71.5	72.0	72.3	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 7000	67.3	72.9	73.4	73.8	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 6000	68.2	74.1	74.6	74.9	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 5000	69.6	75.8	76.4	76.8	77.0	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 4500	69.8	76.2	76.9	77.3	77.6	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 4000	70.5	77.0	77.7	78.2	78.4	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 3500	71.1	77.7	78.6	79.0	79.3	79.3	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 3000	72.0	78.9	79.8	80.3	80.7	80.7	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 2500	72.6	80.0	81.1	81.6	82.0	82.0	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 2000	73.9	82.2	83.3	83.9	84.5	84.5	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 1800	74.3	82.9	84.1	84.8	85.4	85.4	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 1500	75.0	84.5	85.9	86.7	87.3	87.3	87.5	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1
IV 1200	75.4	85.4	87.0	88.2	89.0	89.3	89.9	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 1000	75.7	86.2	88.1	89.6	90.7	91.1	91.7	92.0	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3
IV 900	75.7	86.5	88.3	89.9	91.2	91.5	92.4	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 800	75.7	86.7	88.6	90.3	91.8	92.2	93.0	93.3	93.3	93.9	94.1	94.2	94.2	94.2	94.2	94.2
IV 700	75.8	87.0	89.0	91.0	92.5	93.0	93.8	94.2	94.2	94.8	95.1	95.2	95.2	95.2	95.2	95.2
IV 600	75.9	87.2	89.3	91.3	93.3	93.9	95.1	95.4	95.5	96.3	96.6	96.6	96.6	96.6	96.6	96.6
IV 500	75.9	87.3	89.5	91.6	93.6	94.2	95.5	96.0	96.1	96.9	97.2	97.3	97.3	97.3	97.3	97.3
IV 400	75.9	87.3	89.5	91.8	94.0	94.6	96.0	96.6	96.7	97.7	98.0	98.1	98.2	98.2	98.2	98.2
IV 300	75.9	87.3	89.6	91.9	94.1	94.7	96.3	96.9	97.0	98.1	98.6	98.7	98.8	98.9	98.9	98.9
IV 200	75.9	87.3	89.6	91.9	94.1	94.7	96.3	96.9	97.0	98.2	98.7	98.8	99.2	99.2	99.2	99.2
IV 100	75.9	87.3	89.6	91.9	94.1	94.8	96.3	97.1	97.1	98.3	98.9	98.9	99.4	99.4	99.5	99.5
IV 0	75.9	87.3	89.6	91.9	94.1	94.8	96.3	97.1	97.1	98.3	98.9	98.9	99.4	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2355

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

40-46,48-50,57-72  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING ≥ 20000	55.1 61.9	58.2 65.7	58.5 66.2	58.9 66.7	59.1 66.9	59.1 66.9	59.1 67.0	59.2 67.1	59.2 67.1	59.2 67.1	59.2 67.1	59.2 67.1	59.2 67.1	59.2 67.2	59.2 67.2	59.3 67.2
IV 18000	62.0	65.8	66.2	66.8	67.0	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3
IV 16000	62.0	65.8	66.2	66.8	67.0	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3
IV 14000	62.2	66.0	66.5	67.0	67.2	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.5	67.5	67.5
IV 12000	63.2	67.2	67.6	68.2	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.6	68.6	68.7
IV 10000	65.2	69.1	69.6	70.2	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.6	70.6	70.7
IV 9000	65.4	69.4	69.9	70.5	70.7	70.7	70.8	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0
IV 8000	66.1	70.3	70.8	71.4	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.9
IV 7000	66.9	71.3	71.8	72.4	72.6	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.9	72.9	72.9
IV 6000	67.8	72.6	73.0	73.6	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.3
IV 5000	69.1	74.8	75.4	76.1	76.3	76.3	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.8
IV 4500	69.2	75.2	75.8	76.4	76.7	76.7	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.1	77.1	77.1
IV 4000	69.9	75.9	76.5	77.1	77.4	77.4	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.9
IV 3500	70.4	76.7	77.3	77.9	78.2	78.2	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.6	78.6	78.7
IV 3000	71.6	78.4	79.1	79.8	80.1	80.1	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.6
IV 2500	72.4	79.5	80.2	80.9	81.3	81.3	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9
IV 2000	73.8	81.9	82.7	83.6	84.0	84.0	84.4	84.5	84.5	84.5	84.6	84.6	84.6	84.7	84.7	84.7
IV 1800	74.1	82.4	83.2	84.2	84.6	84.6	85.0	85.1	85.1	85.2	85.2	85.2	85.2	85.3	85.3	85.4
IV 1500	74.6	83.8	84.7	85.7	86.1	86.2	86.6	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	87.0
IV 1200	75.1	85.0	86.2	87.5	88.1	88.2	88.7	88.9	88.9	89.0	89.0	89.0	89.0	89.1	89.1	89.2
IV 1000	75.5	86.0	87.3	88.8	89.5	89.6	90.1	90.5	90.5	90.6	90.7	90.7	90.7	90.8	90.8	90.9
IV 900	75.6	86.2	87.6	89.1	90.0	90.1	90.8	91.2	91.2	91.4	91.5	91.5	91.6	91.6	91.6	91.7
IV 800	75.8	86.7	88.2	89.8	90.8	91.0	91.7	92.1	92.1	92.4	92.5	92.5	92.7	92.7	92.7	92.8
IV 700	76.0	87.2	88.9	90.5	91.7	92.0	92.7	93.2	93.2	93.6	93.7	93.7	93.9	93.9	93.9	93.9
IV 600	76.0	87.3	89.2	90.8	92.2	92.5	93.4	93.9	93.9	94.6	94.7	94.7	94.9	94.9	94.9	95.0
IV 500	76.1	87.6	89.7	91.3	93.0	93.3	94.4	94.9	94.9	95.6	95.8	95.8	96.0	96.0	96.0	96.1
IV 400	76.1	87.6	89.8	91.6	93.5	93.8	95.1	95.7	95.7	96.7	96.9	96.9	97.1	97.1	97.1	97.2
IV 300	76.1	87.6	89.9	91.9	93.8	94.2	95.5	96.2	96.3	97.5	97.8	97.8	98.1	98.1	98.1	98.2
IV 200	76.1	87.6	89.9	91.9	93.8	94.2	95.7	96.3	96.5	97.6	98.1	98.1	98.6	98.6	98.7	98.7
IV 100	76.1	87.6	89.9	91.9	93.8	94.3	95.8	96.5	96.6	97.8	98.3	98.3	99.0	99.0	99.1	99.2
IV 0	76.1	87.6	89.9	91.9	93.8	94.3	95.9	96.5	96.6	97.9	98.4	98.5	99.2	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2314



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,48-50,57-71  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	50.7 55.9	53.9 59.6	54.2 59.9	54.5 60.5	54.9 61.0	54.9 61.0	55.2 61.4	55.3 61.4	55.3 61.4	55.5 61.7	55.5 61.7	55.5 61.7	55.7 61.9	55.7 61.9	55.7 61.9	55.7 61.9
IV 18000 16000	56.0 56.0	59.7 59.8	60.0 60.1	60.6 60.7	61.1 61.1	61.1 61.2	61.5 61.5	61.5 61.6	61.5 61.6	61.8 61.8	61.8 61.9	61.8 61.9	61.9 62.0	61.9 62.0	61.9 62.0	61.9 62.0
IV 14000 12000	56.3 57.0	60.1 60.9	60.4 61.2	61.0 61.8	61.4 62.2	61.5 62.2	61.8 62.6	61.9 62.6	61.9 62.6	62.1 62.9	62.1 62.9	62.1 62.9	62.3 63.1	62.3 63.1	62.3 63.1	62.3 63.1
IV 10000 9000	58.1 58.4	62.1 62.5	62.4 62.8	63.0 63.5	63.5 63.9	63.5 64.0	63.9 64.3	63.9 64.4	63.9 64.4	64.2 64.6	64.2 64.7	64.2 64.7	64.4 64.8	64.4 64.8	64.4 64.8	64.4 64.8
IV 8000 7000	59.5 60.7	63.7 65.0	64.1 65.4	64.7 66.1	65.2 66.6	65.2 66.6	65.6 66.9	65.6 67.0	65.6 67.0	65.9 67.2	65.9 67.3	65.9 67.3	66.1 67.4	66.1 67.4	66.1 67.4	66.1 67.4
IV 6000 5000	62.2 64.5	66.9 69.6	67.3 70.0	68.0 70.7	68.5 71.2	68.5 71.2	68.9 71.5	68.9 71.6	68.9 71.6	69.2 71.8	69.2 71.9	69.2 71.9	69.4 72.0	69.4 72.0	69.4 72.0	69.4 72.0
IV 4500 4000	65.2 66.8	70.6 72.5	71.1 73.1	71.7 73.8	72.2 74.3	72.2 74.3	72.6 74.7	72.6 74.7	72.6 74.7	72.9 75.0	72.9 75.0	72.9 75.0	73.1 75.2	73.1 75.2	73.1 75.2	73.1 75.2
IV 3500 3000	67.7 68.8	73.6 75.0	74.2 75.8	74.9 76.4	75.4 76.9	75.5 77.0	75.8 77.3	75.9 77.4	75.9 77.4	76.1 77.7	76.2 77.8	76.2 77.8	76.3 77.9	76.3 77.9	76.3 77.9	76.3 77.9
IV 2500 2000	70.3 72.2	76.7 79.5	77.6 80.5	78.3 81.2	78.9 81.9	79.0 82.0	79.4 82.4	79.4 82.4	79.4 82.4	79.8 82.8	79.8 82.9	79.8 82.9	80.0 83.0	80.0 83.0	80.0 83.0	80.0 83.0
IV 1800 1500	72.5 73.4	80.0 81.5	81.0 82.8	81.7 83.6	82.5 84.6	82.6 84.7	83.0 85.1	83.1 85.2	83.1 85.2	83.5 85.7	83.6 85.7	83.6 85.7	83.7 85.8	83.7 85.8	83.7 85.8	83.7 85.8
IV 1200 1000	74.1 74.3	83.4 84.4	85.0 85.9	85.8 86.9	87.0 88.3	87.1 88.5	87.5 89.2	87.7 89.4	87.7 89.4	88.1 90.1	88.2 90.2	88.2 90.2	88.3 90.4	88.3 90.4	88.3 90.4	88.3 90.4
IV 900 800	74.4 74.6	84.5 85.0	86.3 86.8	87.3 88.2	89.0 89.9	89.2 90.1	89.9 90.8	90.1 91.1	90.1 91.1	90.8 92.0	90.9 92.2	90.9 92.2	91.1 92.4	91.1 92.4	91.1 92.4	91.1 92.4
IV 700 600	74.6 74.6	85.4 85.8	87.3 87.9	88.8 89.4	91.0 91.8	91.2 92.0	91.9 92.9	92.2 93.2	92.2 93.2	93.1 94.2	93.3 94.4	93.3 94.4	93.5 94.6	93.5 94.6	93.5 94.6	93.5 94.6
IV 500 400	74.6 74.8	86.0 86.3	88.2 88.5	89.8 90.1	92.3 92.7	92.6 92.9	93.5 94.1	94.0 94.5	94.0 94.6	95.1 95.7	95.3 96.2	95.3 96.2	95.5 96.5	95.5 96.5	95.5 96.5	95.5 96.5
IV 300 200	74.8 74.8	86.3 86.3	88.5 88.6	90.3 90.4	92.9 93.0	93.1 93.2	94.3 94.4	94.8 95.0	94.9 95.0	96.0 96.4	96.6 97.2	96.7 97.4	97.0 98.0	97.0 98.0	97.0 98.0	97.0 98.1
IV 100 0	74.8 74.8	86.3 86.3	88.6 88.6	90.4 90.4	93.0 93.0	93.2 93.2	94.4 94.4	95.0 95.0	95.0 95.0	96.4 96.4	97.2 97.2	97.4 97.4	98.1 98.1	98.1 98.1	98.4 98.4	98.8 100.0

TOTAL NUMBER OF OBSERVATIONS 2021

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,48-50,57-72  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	47.8 53.0	52.5 58.6	52.7 58.8	53.4 59.6	53.7 60.0	53.8 60.1	53.9 60.2	54.0 60.4	54.0 60.4	54.2 60.6	54.2 60.7	54.3 60.7	54.3 60.7	54.3 60.8	54.3 60.8	54.3 60.9
IV 18000 IV 16000	53.1 53.2	58.7 58.9	58.9 59.1	59.7 59.9	60.2 60.4	60.2 60.4	60.4 60.6	60.5 60.7	60.5 60.7	60.8 61.0	60.8 61.0	60.8 61.0	60.9 61.1	60.9 61.1	60.9 61.1	61.1 61.3
IV 14000 IV 12000	53.2 53.9	58.9 59.7	59.1 59.9	59.9 60.8	60.4 61.2	60.4 61.3	60.6 61.5	60.7 61.6	60.7 61.6	61.0 61.8	61.0 61.9	61.0 61.9	61.1 61.9	61.1 62.0	61.1 62.0	61.3 62.1
IV 10000 IV 9000	55.5 55.7	61.6 61.9	61.8 62.1	62.6 62.9	63.0 63.3	63.1 63.4	63.3 63.6	63.4 63.7	63.4 63.7	63.6 63.9	63.7 64.0	63.7 64.0	63.7 64.0	63.8 64.1	63.8 64.1	63.9 64.2
IV 8000 IV 7000	56.4 57.6	62.9 64.3	63.2 64.6	64.1 65.4	64.5 65.8	64.6 65.9	64.8 66.1	64.9 66.2	64.9 66.2	65.1 66.5	65.1 66.5	65.1 66.5	65.2 66.6	65.2 66.6	65.2 66.6	65.4 66.8
IV 6000 IV 5000	58.8 60.1	65.7 67.4	66.0 67.7	66.8 68.6	67.3 69.1	67.4 69.2	67.6 69.4	67.7 69.5	67.7 69.5	67.9 69.8	68.0 69.8	68.0 69.8	68.0 69.9	68.1 69.9	68.1 69.9	68.2 70.1
IV 4500 IV 4000	60.9 62.2	68.3 70.0	68.6 70.3	69.6 71.3	70.1 71.8	70.2 71.9	70.3 72.1	70.4 72.2	70.4 72.2	70.7 72.5	70.7 72.5	70.7 72.5	70.8 72.6	70.8 72.6	70.8 72.6	71.0 72.8
IV 3500 IV 3000	63.2 64.9	71.3 73.4	71.7 74.0	72.8 75.1	73.2 75.6	73.3 75.7	73.5 75.8	73.6 75.9	73.6 76.0	73.9 76.3	73.9 76.3	73.9 76.3	74.0 76.4	74.0 76.4	74.0 76.4	74.2 76.6
IV 2500 IV 2000	65.9 67.6	75.0 77.2	75.6 78.0	76.8 79.2	77.3 79.8	77.5 80.0	77.7 80.2	77.8 80.3	77.9 80.3	78.2 80.7	78.2 80.7	78.2 80.7	78.3 80.8	78.3 80.8	78.3 80.8	78.4 81.0
IV 1800 IV 1500	68.2 69.3	78.1 79.8	78.9 81.2	80.2 82.6	80.7 83.2	80.9 83.4	81.1 83.6	81.2 83.7	81.2 83.8	81.6 84.2	81.6 84.2	81.6 84.2	81.7 84.3	81.7 84.3	81.7 84.3	81.9 84.5
IV 1200 IV 1000	70.0 70.3	81.4 82.7	83.0 84.6	84.4 86.1	85.2 87.2	85.4 87.4	85.6 87.6	85.9 88.0	86.0 88.1	86.4 88.5	86.5 88.6	86.5 88.6	86.5 88.6	86.5 88.7	86.5 88.7	86.7 88.8
IV 900 IV 800	70.5 70.6	83.2 83.6	85.3 85.9	86.9 87.5	88.1 88.9	88.4 89.1	88.6 89.6	89.0 89.8	89.1 89.9	89.5 90.5	89.5 90.5	89.5 90.5	89.6 90.6	89.6 90.6	89.6 90.6	89.8 90.8
IV 700 IV 600	70.6 70.6	83.8 84.0	86.2 86.4	87.9 88.1	89.3 89.9	89.6 90.1	90.4 90.9	90.6 91.1	90.6 91.2	91.2 91.9	91.3 91.9	91.3 91.9	91.3 92.1	91.4 92.2	91.4 92.2	91.5 92.3
IV 500 IV 400	70.6 70.4	84.2 84.3	86.7 86.9	88.8 89.2	90.8 91.2	91.0 91.6	91.9 92.7	92.1 92.9	92.1 93.0	93.0 94.1	93.1 94.4	93.1 94.5	93.1 94.7	93.6 94.9	93.6 94.9	93.7 95.0
IV 300 IV 200	70.6 70.6	84.4 84.4	87.1 87.1	89.4 89.4	91.6 91.8	91.9 92.0	93.1 93.3	93.3 93.9	93.6 94.0	94.8 95.3	95.2 95.9	95.3 96.2	95.3 96.5	95.8 96.8	95.9 97.1	96.1 97.3
IV 100 IV 0	70.6 70.6	84.4 84.4	87.1 87.1	89.4 89.4	91.8 91.8	92.0 92.0	93.3 93.3	93.9 94.0	94.0 94.1	95.4 95.5	96.2 96.3	96.5 96.6	97.1 97.3	97.3 97.5	98.1 98.4	98.5 100.0

TOTAL NUMBER OF OBSERVATIONS 2037

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	40.5 45.4	46.5 52.5	47.4 53.5	48.4 54.8	48.9 55.5	48.9 55.6	49.2 55.9	49.3 56.0	49.3 56.0	49.5 56.3	49.6 56.3	49.6 56.3	49.6 56.3	49.6 56.3	49.6 56.3	49.9 56.7
IV 18000 IV 16000	45.7 45.7	52.7 52.8	53.8 53.9	55.1 55.2	55.8 55.9	55.8 55.9	56.1 56.2	56.2 56.3	56.2 56.3	56.5 56.6	56.6 56.7	56.6 56.7	56.6 56.7	56.6 56.7	56.6 56.7	57.0 57.0
IV 14000 IV 12000	45.8 47.1	53.1 54.7	54.1 55.8	55.4 57.1	56.1 57.8	56.2 57.9	56.5 58.2	56.6 58.3	56.6 58.3	56.9 58.6	57.0 58.7	57.0 58.7	57.0 58.7	57.0 58.7	57.0 58.7	57.3 59.0
IV 10000 IV 9000	49.5 49.8	57.3 57.9	58.4 59.0	59.8 60.4	60.6 61.1	60.6 61.2	60.9 61.5	61.0 61.6	61.0 61.6	61.3 61.9	61.4 62.0	61.4 62.0	61.4 62.0	61.4 62.0	61.4 62.0	61.8 62.3
IV 8000 IV 7000	51.2 52.6	59.3 60.8	60.5 62.0	62.0 63.6	62.7 64.5	62.8 64.5	63.1 64.9	63.2 65.0	63.2 65.0	63.5 65.3	63.6 65.4	63.6 65.4	63.6 65.4	63.6 65.4	63.6 65.4	64.0 65.8
IV 6000 IV 5000	53.7 54.6	62.0 63.4	63.3 64.7	64.8 66.4	65.8 67.3	65.8 67.4	66.2 67.9	66.3 68.0	66.3 68.0	66.6 68.3	66.7 68.4	66.7 68.4	66.7 68.4	66.7 68.4	66.7 68.4	67.1 68.8
IV 4500 IV 4000	54.9 55.6	63.7 64.8	65.1 66.2	66.8 68.0	67.8 69.0	67.8 69.0	68.3 69.5	68.5 69.7	68.5 69.7	68.8 70.1	68.9 70.1	68.9 70.1	68.9 70.1	68.9 70.1	68.9 70.1	69.2 70.5
IV 3500 IV 3000	56.3 57.7	65.8 67.7	67.3 69.3	69.0 71.1	70.1 72.2	70.1 72.2	70.6 72.8	70.8 73.0	70.8 73.0	71.1 73.4	71.2 73.5	71.2 73.5	71.2 73.5	71.2 73.5	71.2 73.5	71.6 73.9
IV 2500 IV 2000	58.7 60.5	69.2 72.2	70.8 74.0	72.8 76.1	73.9 77.3	73.9 77.4	74.6 78.1	74.7 78.4	74.8 78.4	75.2 78.9	75.3 79.0	75.3 79.0	75.3 79.0	75.3 79.0	75.3 79.0	75.6 79.3
IV 1800 IV 1500	60.7 62.0	72.6 74.2	74.4 76.1	76.5 78.3	77.8 79.8	77.9 79.9	78.6 80.6	78.9 81.0	79.0 81.0	79.4 81.6	79.6 81.7	79.6 81.7	79.6 81.7	79.6 81.7	79.6 81.7	79.9 82.1
IV 1200 IV 1000	62.7 63.3	76.1 77.5	78.1 79.9	80.6 82.7	82.2 84.6	82.4 84.8	83.2 85.7	83.6 86.2	83.6 86.2	84.2 86.8	84.3 87.0	84.3 87.0	84.3 87.0	84.3 87.0	84.3 87.0	84.7 87.3
IV 900 IV 800	63.4 63.6	77.8 78.5	80.5 81.3	83.5 84.3	85.5 86.5	85.5 86.7	86.6 87.8	87.1 88.3	87.2 88.4	87.8 89.1	88.0 89.2	88.0 89.2	88.0 89.2	88.0 89.2	88.0 89.2	88.3 89.6
IV 700 IV 600	63.6 63.7	78.9 79.1	81.7 82.2	84.9 85.5	87.2 88.0	87.4 88.3	88.7 89.8	89.4 90.7	89.4 90.8	90.1 91.6	90.3 92.0	90.3 92.0	90.3 92.1	90.3 92.1	90.3 92.1	90.7 92.6
IV 500 IV 400	63.7 63.7	79.2 79.5	82.4 82.9	85.8 86.3	88.7 89.3	88.9 89.5	90.6 91.4	91.6 92.5	91.9 92.9	92.8 94.1	93.3 94.8	93.3 94.8	93.5 95.1	93.5 95.1	93.7 95.2	94.0 95.6
IV 300 IV 200	63.7 63.7	79.6 79.6	83.0 83.0	86.4 86.4	89.5 89.6	89.8 89.8	91.7 91.8	93.0 93.1	93.4 93.5	94.8 95.1	95.6 96.1	95.7 96.1	96.0 96.6	96.0 96.6	96.2 97.1	96.7 97.9
IV 100 IV 0	63.7 63.7	79.6 79.6	83.0 83.0	86.4 86.4	89.6 89.6	89.8 89.8	91.8 91.8	93.1 93.1	93.5 93.5	95.1 95.2	96.2 96.2	96.3 96.4	97.1 97.2	97.1 97.3	98.0 98.0	98.7 100.0

TOTAL NUMBER OF OBSERVATIONS 2284

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-50,56-72  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.9	43.5	44.1	44.6	44.8	44.9	44.9	45.0	45.0	45.1	45.1	45.1	45.1	45.1	45.2	45.2
IV 20000	46.2	51.8	52.7	53.3	53.6	53.6	53.7	53.8	53.8	54.0	54.0	54.0	54.0	54.0	54.1	54.2
IV 18000	46.4	52.0	52.9	53.5	53.8	53.8	54.0	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.3	54.4
IV 16000	46.5	52.3	53.1	53.7	54.0	54.1	54.2	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.5	54.7
IV 14000	46.9	52.9	53.7	54.4	54.7	54.8	54.9	55.0	55.0	55.1	55.2	55.2	55.2	55.2	55.2	55.4
IV 12000	48.2	54.4	55.2	55.9	56.2	56.2	56.4	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.7	56.9
IV 10000	50.5	57.3	58.1	58.8	59.1	59.1	59.4	59.5	59.5	59.7	59.7	59.7	59.7	59.8	59.8	60.0
IV 9000	51.3	58.1	58.9	59.6	59.9	60.0	60.2	60.3	60.3	60.5	60.5	60.5	60.6	60.6	60.7	60.8
IV 8000	53.1	60.1	61.0	61.8	62.2	62.3	62.5	62.6	62.6	62.8	62.8	62.8	62.8	62.9	63.0	63.1
IV 7000	54.7	62.0	63.1	63.9	64.3	64.4	64.8	64.9	64.9	65.1	65.1	65.1	65.2	65.2	65.3	65.4
IV 6000	55.3	62.7	64.0	64.8	65.3	65.4	65.8	65.9	65.9	66.1	66.2	66.2	66.2	66.2	66.3	66.4
IV 5000	56.4	64.4	65.7	66.5	67.2	67.3	67.7	67.9	67.9	68.0	68.1	68.1	68.1	68.1	68.2	68.3
IV 4500	56.9	64.9	66.2	67.0	67.7	67.8	68.3	68.4	68.4	68.6	68.6	68.6	68.7	68.7	68.7	68.9
IV 4000	57.7	66.0	67.4	68.2	68.9	69.0	69.4	69.6	69.6	69.8	69.8	69.8	69.8	69.8	69.9	70.1
IV 3500	58.7	67.1	68.5	69.3	70.1	70.2	70.8	70.9	70.9	71.1	71.1	71.1	71.2	71.2	71.2	71.4
IV 3000	60.0	68.8	70.4	71.2	72.2	72.3	72.9	73.0	73.0	73.3	73.4	73.4	73.4	73.4	73.5	73.7
IV 2500	61.0	70.5	72.1	72.9	73.9	74.0	74.6	74.7	74.7	75.1	75.1	75.1	75.1	75.1	75.2	75.4
IV 2000	62.6	72.7	74.5	75.4	76.5	76.7	77.4	77.6	77.7	78.1	78.2	78.2	78.2	78.2	78.3	78.4
IV 1800	63.0	73.5	75.3	76.2	77.3	77.6	78.3	78.5	78.5	79.0	79.0	79.0	79.1	79.1	79.2	79.3
IV 1500	63.9	75.4	77.3	78.6	79.9	80.1	81.0	81.3	81.3	81.9	81.9	81.9	82.0	82.0	82.1	82.2
IV 1200	64.6	77.3	79.6	81.1	82.5	82.7	83.6	84.0	84.1	84.6	84.7	84.7	84.7	84.7	84.8	85.0
IV 1000	65.1	78.4	81.0	82.6	84.2	84.7	85.8	86.2	86.4	87.0	87.1	87.1	87.2	87.2	87.3	87.4
IV 900	65.1	78.5	81.1	82.9	84.8	85.4	86.7	87.3	87.5	88.2	88.3	88.3	88.3	88.3	88.4	88.6
IV 800	65.2	78.9	81.7	83.4	85.7	86.5	88.0	88.8	89.0	89.9	90.1	90.1	90.2	90.2	90.3	90.4
IV 700	65.3	79.3	82.4	84.3	87.0	88.0	89.7	90.7	90.9	91.8	92.1	92.1	92.2	92.2	92.3	92.5
IV 600	65.3	79.5	82.8	84.7	87.6	88.8	90.7	92.1	92.3	93.3	93.6	93.6	93.8	93.8	93.9	94.0
IV 500	65.3	79.6	83.0	85.0	88.0	89.3	91.6	93.1	93.4	94.5	95.0	95.0	95.4	95.4	95.7	95.8
IV 400	65.4	79.8	83.2	85.2	88.3	89.5	92.1	93.6	94.0	95.3	96.0	96.0	96.6	96.6	96.8	97.0
IV 300	65.4	79.8	83.2	85.2	88.3	89.6	92.2	93.8	94.2	95.8	97.1	97.2	98.0	98.1	98.7	99.2
IV 200	65.4	79.8	83.2	85.2	88.3	89.6	92.2	93.8	94.2	95.8	97.1	97.2	98.0	98.2	99.0	99.5
IV 100	65.4	79.8	83.2	85.2	88.3	89.6	92.2	93.8	94.2	95.8	97.1	97.2	98.1	98.2	99.1	100.0
IV 0	65.4	79.8	83.2	85.2	88.3	89.6	92.2	93.8	94.2	95.8	97.1	97.2	98.1	98.2	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 2281

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-43,47-50,56-72  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	43.4	46.8	47.1	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.4
≥ 20000	52.6	56.9	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.7
IV 18000	53.0	57.3	57.8	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.1
IV 16000	53.3	57.6	58.0	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4
IV 14000	53.7	58.1	58.6	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0
IV 12000	54.9	59.4	59.9	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.3
IV 10000	56.9	61.7	62.2	62.4	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 9000	57.6	62.4	62.9	63.1	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 8000	59.3	64.3	64.8	65.0	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.3
IV 7000	60.5	65.7	66.4	66.5	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 6000	61.3	66.7	67.4	67.6	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1
IV 5000	62.7	68.1	68.8	69.2	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.6	69.6	69.6
IV 4500	63.0	68.8	69.5	69.9	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.3	70.3	70.3
IV 4000	64.0	70.2	71.0	71.4	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8
IV 3500	65.2	71.6	72.5	72.9	73.2	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 3000	66.5	73.1	74.0	74.5	74.9	74.9	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.3
IV 2500	68.0	75.2	76.1	76.6	77.0	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.4
IV 2000	70.5	78.7	79.8	80.4	80.8	80.9	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.3	81.3	81.3
IV 1800	71.0	79.6	80.6	81.3	81.8	81.9	82.0	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.3
IV 1500	71.7	81.1	82.3	83.1	83.7	83.8	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.3	84.3	84.3
IV 1200	72.2	83.3	84.8	85.0	86.7	86.9	87.2	87.3	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.7
IV 1000	72.7	84.9	86.7	88.1	89.2	89.6	90.0	90.2	90.2	90.5	90.5	90.5	90.5	90.6	90.6	90.6
IV 900	72.8	85.1	87.1	88.7	89.9	90.3	90.7	91.0	91.0	91.4	91.4	91.4	91.5	91.5	91.5	91.6
IV 800	72.9	85.3	87.8	89.5	91.0	91.6	92.3	92.6	92.6	93.1	93.3	93.3	93.5	93.5	93.5	93.5
IV 700	73.0	85.5	88.3	90.3	91.9	92.6	93.5	94.0	94.0	94.5	94.7	94.7	95.0	95.0	95.0	95.0
IV 600	73.0	85.6	88.6	90.7	92.6	93.4	94.6	95.1	95.2	95.8	96.2	96.2	96.4	96.4	96.4	96.4
IV 500	73.0	85.8	88.8	91.0	93.1	93.9	95.2	95.8	95.9	96.8	97.5	97.5	97.8	97.8	97.8	97.8
IV 400	73.0	85.8	88.8	91.0	93.1	93.9	95.3	95.9	96.1	97.2	97.9	97.9	98.4	98.4	98.4	98.4
IV 300	73.0	85.8	88.8	91.0	93.1	93.9	95.3	96.0	96.2	97.5	98.4	98.4	99.1	99.1	99.1	99.2
IV 200	73.0	85.8	88.8	91.0	93.1	93.9	95.3	96.0	96.2	97.5	98.4	98.4	99.2	99.3	99.3	99.7
IV 100	73.0	85.8	88.8	91.0	93.1	93.9	95.3	96.0	96.2	97.5	98.4	98.4	99.2	99.4	99.6	99.9
IV 0	73.0	85.8	88.8	91.0	93.1	93.9	95.3	96.0	96.2	97.5	98.4	98.4	99.2	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2278

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-50,56-72  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING ≥ 20000	44.7 54.9	47.3 58.3	47.6 58.8	47.6 58.9	47.8 59.1	47.8 59.1	47.8 59.2	47.8 59.2	47.8 59.2	47.8 59.2	47.8 59.2	47.8 59.2	47.8 59.2	47.8 59.2	47.8 59.2	47.8 59.2
IV 18000 IV 16000	55.3 55.5	58.7 58.9	59.2 59.3	59.2 59.4	59.5 59.6	59.5 59.6	59.5 59.7	59.5 59.7	59.5 59.7	59.5 59.7	59.5 59.7	59.5 59.7	59.5 59.7	59.5 59.7	59.5 59.7	59.5 59.7
IV 14000 IV 12000	56.1 57.5	59.5 61.0	60.0 61.5	60.0 61.5	60.3 61.8	60.3 61.8	60.4 61.8	60.4 61.8	60.4 61.8	60.4 61.8	60.4 61.8	60.4 61.8	60.4 61.8	60.4 61.8	60.4 61.8	60.4 61.8
IV 10000 IV 9000	59.3 59.8	62.9 63.6	63.4 64.1	63.4 64.1	63.8 64.5	63.8 64.5	63.8 64.5	63.8 64.5	63.8 64.5	63.8 64.5	63.8 64.5	63.8 64.5	63.8 64.5	63.8 64.5	63.8 64.5	63.8 64.5
IV 8000 IV 7000	62.0 63.4	65.8 67.4	66.3 68.0	66.4 68.0	66.8 68.4	66.8 68.4	66.9 68.5	66.9 68.5	66.9 68.5	66.9 68.5	66.9 68.5	66.9 68.5	66.9 68.5	66.9 68.5	66.9 68.5	66.9 68.5
IV 6000 IV 5000	64.7 66.2	69.1 70.8	69.6 71.3	69.6 71.4	70.1 71.8	70.1 71.8	70.1 71.9	70.1 71.9	70.1 71.9	70.2 72.0	70.2 72.0	70.2 72.0	70.2 72.0	70.2 72.0	70.2 72.0	70.2 72.0
IV 4500 IV 4000	66.7 68.2	71.3 73.1	71.9 73.7	71.9 73.8	72.4 74.2	72.4 74.3	72.4 74.3	72.4 74.3	72.4 74.3	72.6 74.5	72.6 74.5	72.6 74.5	72.6 74.5	72.6 74.5	72.6 74.5	72.6 74.5
IV 3500 IV 3000	68.7 69.7	74.0 75.7	74.8 76.5	74.9 76.6	75.3 77.1	75.4 77.1	75.4 77.2	75.5 77.3	75.5 77.3	75.6 77.5	75.6 77.5	75.6 77.5	75.6 77.5	75.6 77.5	75.6 77.5	75.6 77.5
IV 2500 IV 2000	71.2 73.1	77.8 80.9	78.6 81.8	78.8 82.2	79.4 82.9	79.4 82.9	79.6 83.2	79.7 83.3	79.7 83.4	79.8 83.6	79.8 83.6	79.8 83.6	79.8 83.6	79.8 83.6	79.8 83.6	79.8 83.6
IV 1800 IV 1500	73.2 74.4	81.3 83.4	82.2 84.4	82.7 85.0	83.3 85.7	83.4 85.8	83.7 86.4	83.9 86.7	84.0 86.9	84.3 87.2	84.3 87.2	84.3 87.2	84.3 87.2	84.3 87.2	84.3 87.2	84.3 87.2
IV 1200 IV 1000	75.2 75.5	85.1 85.8	86.5 87.6	87.5 88.7	88.4 89.8	88.6 90.1	89.2 90.8	89.5 91.3	89.8 91.5	90.2 91.9	90.2 92.0	90.2 92.0	90.2 92.0	90.2 92.0	90.2 92.0	90.2 92.0
IV 900 IV 800	75.6 75.7	86.1 86.4	88.1 88.9	89.4 90.3	90.5 91.7	90.9 92.1	91.6 93.0	92.2 93.7	92.4 94.0	93.0 94.7	93.1 95.0	93.1 95.0	93.2 95.1	93.2 95.1	93.2 95.1	93.2 95.1
IV 700 IV 600	75.7 75.8	86.7 86.9	89.3 89.5	90.3 91.0	92.5 93.2	92.9 93.7	94.0 95.0	94.9 95.8	95.1 96.1	96.0 97.2	96.4 97.6	96.4 97.6	96.4 97.7	96.4 97.7	96.4 97.7	96.4 97.7
IV 500 IV 400	75.8 75.8	86.9 86.9	89.5 89.5	91.1 91.1	93.3 93.3	93.8 93.8	95.2 95.3	96.1 96.3	96.4 96.7	97.7 98.2	98.2 98.7	98.2 98.7	98.4 99.0	98.4 99.0	98.4 99.0	98.4 99.0
IV 300 IV 200	75.8 75.8	86.9 86.9	89.5 89.5	91.1 91.1	93.3 93.3	93.8 93.8	95.3 95.3	96.3 96.3	96.7 96.7	98.2 98.2	98.9 98.9	98.9 98.9	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3
IV 100 IV 0	75.8 75.8	86.9 86.9	89.5 89.5	91.1 91.1	93.3 93.3	93.8 93.8	95.3 95.3	96.3 96.3	96.7 96.7	98.2 98.2	98.9 98.9	98.9 98.9	99.5 99.5	99.5 99.5	99.5 99.5	99.5 99.5

TOTAL NUMBER OF OBSERVATIONS 2275

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

29-45.48-50.56-72  
YEARS

FFB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	49.1 56.2	51.6 59.4	52.0 60.0	52.4 60.4	52.5 60.6	52.5 60.6	52.5 60.6	52.5 60.6	52.5 60.6	52.5 60.6	52.5 60.6	52.5 60.6	52.5 60.6	52.5 60.6	52.5 60.6	52.5 60.6
IV 18000 IV 16000	56.4 56.4	59.7 59.7	60.2 60.2	60.7 60.7	60.8 60.8	60.8 60.8	60.9 60.9	60.9 60.9	60.9 60.9	60.9 60.9	60.9 60.9	60.9 60.9	60.9 60.9	60.9 60.9	60.9 60.9	60.9 60.9
IV 14000 IV 12000	56.5 57.9	59.7 61.2	60.3 61.9	60.7 62.3	60.9 62.4	60.9 62.4	60.9 62.5	60.9 62.5	60.9 62.5	60.9 62.5	60.9 62.5	60.9 62.5	60.9 62.5	60.9 62.5	60.9 62.5	60.9 62.5
IV 10000 IV 9000	59.8 60.3	63.4 63.9	64.1 64.6	64.5 65.0	64.6 65.2	64.6 65.2	64.7 65.2	64.7 65.2	64.7 65.2	64.7 65.2	64.7 65.3	64.7 65.3	64.7 65.3	64.7 65.3	64.7 65.3	64.7 65.3
IV 8000 IV 7000	62.6 64.5	66.5 68.6	67.2 69.5	67.7 70.0	67.8 70.2	67.8 70.2	67.9 70.3	67.9 70.3	67.9 70.3	67.9 70.3	67.9 70.3	67.9 70.3	67.9 70.3	67.9 70.3	67.9 70.3	67.9 70.3
IV 6000 IV 5000	65.6 66.9	70.0 71.7	70.9 72.6	71.4 73.2	71.6 73.4	71.6 73.4	71.7 73.5	71.7 73.5	71.7 73.5	71.7 73.5	71.7 73.5	71.7 73.5	71.7 73.5	71.7 73.5	71.7 73.5	71.7 73.5
IV 4500 IV 4000	67.4 68.5	72.2 73.5	73.1 74.5	73.7 75.1	73.9 75.3	73.9 75.3	73.9 75.4	73.9 75.4	73.9 75.4	74.0 75.4	74.0 75.4	74.0 75.4	74.0 75.4	74.0 75.4	74.0 75.4	74.0 75.4
IV 3500 IV 3000	69.4 70.4	74.5 76.3	75.5 77.5	76.2 78.3	76.4 78.6	76.4 78.6	76.5 78.7	76.5 78.7	76.5 78.7	76.6 78.8	76.6 78.8	76.6 78.8	76.6 78.8	76.6 78.8	76.6 78.8	76.6 78.8
IV 2500 IV 2000	71.4 72.9	78.1 80.2	79.3 81.5	80.2 82.7	80.5 83.0	80.5 83.0	80.5 83.2	80.5 83.2	80.5 83.2	80.6 83.3	80.6 83.3	80.6 83.3	80.6 83.3	80.6 83.3	80.6 83.3	80.6 83.3
IV 1800 IV 1500	73.2 74.6	80.9 82.9	82.2 84.4	83.4 85.9	83.8 86.4	83.8 86.4	84.1 86.9	84.2 87.1	84.2 87.1	84.3 87.3	84.3 87.3	84.3 87.3	84.3 87.3	84.3 87.3	84.3 87.3	84.3 87.3
IV 1200 IV 1000	75.2 75.8	84.2 85.5	86.0 88.0	87.8 89.9	88.3 90.6	88.4 90.7	89.0 91.4	89.1 91.5	89.2 91.5	89.4 91.9	89.5 92.2	89.5 92.2	89.5 92.2	89.5 92.2	89.5 92.2	89.5 92.2
IV 900 IV 800	75.8 75.9	85.7 86.0	88.5 89.1	90.7 91.5	91.5 92.4	91.5 92.5	92.3 93.3	92.4 93.5	92.5 93.6	93.0 94.2	93.2 94.5	93.2 94.5	93.2 94.5	93.2 94.5	93.2 94.5	93.2 94.5
IV 700 IV 600	76.0 76.0	86.2 86.3	89.6 89.8	92.1 92.3	93.1 93.4	93.2 93.7	94.2 94.9	94.5 95.2	94.5 95.3	95.3 96.2	95.5 96.7	95.5 96.8	95.5 96.8	95.5 96.8	95.5 96.8	95.5 96.8
IV 500 IV 400	76.0 76.0	86.5 86.5	90.0 90.0	92.6 92.7	93.9 94.1	94.1 94.3	95.5 95.8	95.9 96.2	95.9 96.3	97.1 97.7	98.0 98.6	98.1 98.8	98.2 98.9	98.2 98.9	98.2 98.9	98.2 98.9
IV 300 IV 200	76.0 76.0	86.5 86.5	90.0 90.0	92.7 92.7	94.1 94.1	94.3 94.3	95.8 95.8	96.2 96.2	96.3 96.3	98.1 98.1	99.1 99.1	99.3 99.3	99.4 99.4	99.4 99.4	99.4 99.4	99.4 99.4
IV 100 IV 0	76.0 76.0	86.5 86.5	90.0 90.0	92.7 92.7	94.1 94.1	94.3 94.3	95.8 95.8	96.2 96.2	96.3 96.3	98.1 98.1	99.1 99.1	99.3 99.3	99.6 99.6	99.6 99.6	99.6 99.6	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 2118

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

40-45,48-50,56-72  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS, EST

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0	
NO CEILING	52.1	55.0	55.3	55.5	55.7	55.7	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.1	
IV 20000	57.8	60.9	61.3	61.7	61.9	61.9	62.0	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.3	
IV 18000	58.1	61.2	61.6	61.9	62.2	62.2	62.3	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.6	
IV 16000	58.2	61.3	61.7	62.0	62.3	62.3	62.4	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.7	
IV 14000	58.2	61.3	61.7	62.1	62.3	62.3	62.5	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.7	
IV 12000	59.1	62.5	62.9	63.3	63.5	63.5	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.9	
IV 10000	60.6	64.1	64.5	64.9	65.1	65.1	65.2	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.5	
IV 9000	60.9	64.4	64.8	65.1	65.4	65.4	65.5	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.8	
IV 8000	62.4	66.0	66.4	66.8	67.0	67.0	67.2	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4	
IV 7000	64.0	68.0	68.4	68.8	69.0	69.0	69.1	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.4	
IV 6000	65.7	70.0	70.4	70.8	71.0	71.0	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4	
IV 5000	67.0	71.6	72.1	72.5	72.7	72.7	72.9	73.0	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1	
IV 4500	67.4	72.3	72.8	73.2	73.5	73.5	73.6	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.9	
IV 4000	68.8	74.2	74.8	75.2	75.5	75.5	75.6	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.9	
IV 3500	70.0	75.7	76.3	76.7	77.1	77.1	77.2	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.5	
IV 3000	70.8	76.9	77.6	78.0	78.3	78.3	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7	
IV 2500	72.0	78.8	79.6	80.2	80.5	80.5	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9	80.9	
IV 2000	73.4	81.1	81.9	82.7	83.0	83.0	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4	
IV 1800	73.8	81.9	82.7	83.6	84.0	84.0	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.5	
IV 1500	74.6	83.7	84.6	85.5	86.1	86.1	86.4	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.7	
IV 1200	75.4	85.1	86.3	87.3	88.2	88.2	88.6	88.7	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.1	
IV 1000	75.9	86.2	87.7	89.0	89.9	89.9	90.6	90.7	90.8	91.1	91.2	91.2	91.3	91.3	91.3	91.3	
IV 900	76.0	86.5	88.2	89.5	90.6	90.6	91.5	91.6	91.7	92.1	92.2	92.2	92.3	92.3	92.3	92.3	
IV 800	76.0	87.0	88.7	90.2	91.4	91.4	92.5	92.7	92.8	93.3	93.4	93.4	93.5	93.5	93.5	93.6	
IV 700	76.1	87.2	89.1	90.8	92.4	92.4	93.6	93.9	94.0	94.7	94.9	94.9	95.0	95.0	95.0	95.0	
IV 600	76.1	87.3	89.2	91.1	92.9	92.9	94.4	94.8	94.9	95.6	95.9	95.9	96.1	96.1	96.1	96.1	
IV 500	76.1	87.5	89.4	91.4	93.5	93.5	95.0	95.5	95.6	96.5	96.8	96.8	97.0	97.0	97.0	97.0	
IV 400	76.1	87.6	89.5	91.6	93.8	93.8	95.7	96.2	96.3	97.2	97.6	97.6	97.8	97.8	97.8	97.9	
IV 300	76.1	87.6	89.5	91.7	93.9	93.9	95.8	96.3	96.4	97.7	98.2	98.2	98.7	98.7	98.7	98.7	
IV 200	76.1	87.6	89.5	91.7	93.9	93.9	95.8	96.3	96.4	97.9	98.4	98.4	98.9	98.9	98.9	99.1	
IV 100	76.1	87.6	89.5	91.7	93.9	93.9	95.8	96.3	96.4	97.9	98.5	98.5	99.1	99.1	99.1	99.6	
IV 0	76.1	87.6	89.5	91.7	93.9	93.9	95.8	96.3	96.4	97.9	98.5	98.5	99.1	99.1	99.5	100.0	

TOTAL NUMBER OF OBSERVATIONS 2094



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

29-45, 48-50, 57-71  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	53.5	57.2	57.5	57.8	58.0	58.0	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 20000	58.8	63.1	63.5	63.8	64.0	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 18000	59.0	63.3	63.7	64.0	64.2	64.2	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5
IV 16000	59.3	63.6	64.0	64.3	64.5	64.5	64.7	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8
IV 14000	59.7	64.1	64.4	64.8	64.9	64.9	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 12000	60.4	64.9	65.3	65.6	65.8	65.8	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1
IV 10000	62.0	66.7	67.0	67.4	67.6	67.6	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.9	67.9	67.9
IV 9000	62.9	68.0	68.3	68.7	68.8	68.8	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 8000	64.2	69.3	69.7	70.0	70.2	70.2	70.4	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5
IV 7000	65.2	70.5	70.9	71.2	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7
IV 6000	66.6	71.9	72.3	72.6	72.8	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1
IV 5000	68.0	74.0	74.4	74.8	74.9	74.9	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 4500	68.5	74.5	75.0	75.4	75.5	75.5	75.7	75.7	75.7	75.8	75.8	75.8	75.9	75.9	75.9	75.9
IV 4000	69.2	75.7	76.2	76.6	76.7	76.7	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 3500	70.1	77.0	77.4	78.1	78.3	78.3	78.4	78.4	78.4	78.5	78.5	78.5	78.6	78.6	78.6	78.6
IV 3000	71.5	78.9	79.5	80.5	80.8	80.8	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1
IV 2500	72.4	80.1	80.8	81.8	82.1	82.2	82.4	82.4	82.4	82.5	82.5	82.5	82.6	82.6	82.6	82.6
IV 2000	73.8	82.2	83.0	84.4	84.8	84.9	85.1	85.1	85.1	85.3	85.3	85.3	85.4	85.4	85.4	85.4
IV 1800	74.1	82.7	83.6	84.9	85.4	85.5	85.7	85.7	85.7	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 1500	74.8	84.0	85.1	86.5	87.2	87.3	87.6	87.7	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 1200	75.7	85.9	87.2	88.7	89.4	89.6	90.0	90.1	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4
IV 1000	76.1	87.2	88.7	90.4	91.5	91.6	92.2	92.4	92.4	92.7	92.8	92.8	92.9	92.9	92.9	92.9
IV 900	76.3	87.6	89.4	91.3	92.3	92.6	93.3	93.6	93.6	93.9	94.0	94.0	94.0	94.0	94.0	94.0
IV 800	76.5	88.2	90.0	91.9	93.3	93.5	94.5	94.7	94.7	95.3	95.4	95.4	95.5	95.5	95.5	95.5
IV 700	76.5	88.4	90.4	92.3	93.9	94.1	95.3	95.5	95.5	96.1	96.1	96.1	96.3	96.3	96.3	96.3
IV 600	76.5	88.8	90.8	92.8	94.4	94.6	96.1	96.4	96.5	97.1	97.2	97.2	97.3	97.3	97.3	97.3
IV 500	76.5	88.9	91.0	93.1	94.7	94.9	96.8	97.1	97.2	98.1	98.2	98.2	98.4	98.4	98.5	98.5
IV 400	76.5	88.9	91.0	93.1	94.7	95.0	96.8	97.4	97.4	98.6	98.7	98.8	98.8	98.9	99.0	99.1
IV 300	76.5	88.9	91.0	93.1	94.7	95.0	96.8	97.4	97.4	98.7	98.9	99.0	99.2	99.2	99.3	99.3
IV 200	76.5	88.9	91.0	93.1	94.7	95.0	96.8	97.4	97.4	98.7	98.9	99.0	99.3	99.4	99.6	99.6
IV 100	76.5	88.9	91.0	93.1	94.8	95.0	96.9	97.5	97.5	98.8	99.0	99.2	99.5	99.6	99.9	99.9
IV 0	76.5	88.9	91.0	93.1	94.8	95.0	96.9	97.5	97.5	98.8	99.0	99.2	99.5	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2282

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,48-50,57-72  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	49.4	54.8	54.9	55.1	55.6	55.6	55.8	55.9	55.9	55.9	55.9	55.9	56.0	56.0	56.0	56.0
IV 20000	54.2	60.3	60.3	60.7	61.3	61.3	61.5	61.6	61.6	61.6	61.7	61.7	61.7	61.8	61.8	61.8
IV 18000	54.3	60.3	60.5	60.8	61.4	61.4	61.5	61.6	61.6	61.7	61.7	61.7	61.8	61.8	61.8	61.8
IV 16000	54.3	60.4	60.5	60.8	61.4	61.4	61.6	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8
IV 14000	54.6	60.7	60.9	61.2	61.8	61.8	61.9	62.0	62.0	62.1	62.1	62.1	62.2	62.2	62.2	62.2
IV 12000	55.3	61.5	61.7	62.0	62.6	62.6	62.8	62.8	62.8	62.9	62.9	62.9	63.0	63.0	63.0	63.0
IV 10000	56.6	63.0	63.2	63.5	64.1	64.1	64.2	64.3	64.3	64.4	64.4	64.4	64.5	64.5	64.5	64.5
IV 9000	57.4	63.9	64.2	64.5	65.1	65.1	65.2	65.3	65.3	65.4	65.4	65.4	65.5	65.5	65.5	65.5
IV 8000	58.9	65.9	65.8	66.1	66.7	66.7	66.8	66.9	66.9	67.0	67.0	67.0	67.1	67.1	67.1	67.1
IV 7000	60.2	66.8	67.2	67.4	68.1	68.1	68.3	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.5	68.5
IV 6000	61.1	68.1	68.4	68.7	69.3	69.4	69.5	69.6	69.6	69.7	69.7	69.7	69.7	69.8	69.8	69.8
IV 5000	62.3	70.4	70.9	71.2	71.9	71.9	72.1	72.2	72.2	72.2	72.3	72.3	72.3	72.4	72.4	72.4
IV 4500	63.5	71.2	71.7	72.1	72.8	72.8	73.0	73.1	73.1	73.1	73.2	73.2	73.2	73.3	73.3	73.3
IV 4000	64.5	72.9	73.4	73.9	74.5	74.6	74.7	74.8	74.8	74.9	74.9	74.9	75.0	75.0	75.0	75.0
IV 3500	65.2	73.9	74.3	74.8	75.5	75.5	75.7	75.8	75.8	75.8	75.9	75.9	75.9	76.0	76.0	76.0
IV 3000	66.5	75.8	76.4	76.9	77.6	77.6	77.8	77.9	77.9	78.0	78.0	78.0	78.0	78.1	78.1	78.1
IV 2500	67.5	77.2	77.9	78.4	79.2	79.3	79.5	79.6	79.6	79.6	79.7	79.7	79.7	79.8	79.8	79.8
IV 2000	69.4	79.6	80.5	81.3	82.2	82.2	82.5	82.6	82.6	82.7	82.7	82.7	82.8	82.8	82.8	82.8
IV 1800	69.8	80.2	81.2	81.9	82.8	82.9	83.2	83.3	83.3	83.3	83.4	83.4	83.4	83.5	83.5	83.5
IV 1500	71.4	82.9	83.9	84.7	85.6	85.7	86.1	86.2	86.2	86.2	86.3	86.3	86.3	86.4	86.4	86.4
IV 1200	72.2	84.9	86.3	87.4	88.7	88.8	89.4	89.5	89.5	89.8	89.8	89.8	89.8	89.9	89.9	89.9
IV 1000	72.5	86.5	88.2	89.4	90.9	91.0	91.7	91.9	91.9	92.1	92.2	92.2	92.2	92.3	92.3	92.3
IV 900	72.9	87.1	89.1	90.3	91.9	92.0	92.8	93.0	93.0	93.2	93.3	93.3	93.3	93.4	93.4	93.4
IV 800	73.0	87.5	89.6	90.9	92.6	92.7	93.8	94.1	94.1	94.4	94.4	94.4	94.4	94.5	94.5	94.5
IV 700	73.1	87.6	89.8	91.3	93.2	93.2	94.4	94.8	94.8	95.1	95.1	95.1	95.2	95.2	95.2	95.2
IV 600	73.3	88.1	90.3	91.9	94.0	94.1	95.4	95.8	95.8	96.1	96.1	96.2	96.3	96.3	96.3	96.4
IV 500	73.3	88.1	90.4	92.0	94.1	94.2	95.6	96.4	96.5	97.2	97.3	97.3	97.4	97.4	97.4	97.5
IV 400	73.3	88.1	90.4	92.1	94.2	94.4	96.1	96.9	97.0	97.9	98.0	98.0	98.2	98.2	98.2	98.3
IV 300	73.3	88.1	90.4	92.1	94.3	94.4	96.2	97.0	97.2	98.1	98.5	98.5	98.7	98.7	98.8	98.9
IV 200	73.3	88.1	90.4	92.1	94.3	94.4	96.2	97.0	97.2	98.2	98.6	98.6	98.7	98.8	99.1	99.1
IV 100	73.3	88.1	90.4	92.1	94.3	94.5	96.4	97.2	97.3	98.4	98.7	98.7	98.9	99.0	99.5	99.6
IV 0	73.3	88.1	90.4	92.1	94.3	94.5	96.4	97.2	97.3	98.5	98.8	98.9	99.0	99.1	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2304

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-50,56-72  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.2	44.2	45.1	45.6	46.2	46.3	46.4	46.5	46.6	46.6	46.6	46.6	46.7	46.8	46.8	47.1
IV 20000	44.0	50.9	51.9	52.6	53.2	53.3	53.5	53.6	53.7	53.7	53.7	53.8	53.9	53.9	53.9	54.2
IV 18000	44.5	51.3	52.4	53.2	53.8	53.9	54.1	54.2	54.2	54.2	54.2	54.3	54.4	54.5	54.5	54.8
IV 16000	44.8	51.6	52.6	53.4	54.0	54.2	54.4	54.5	54.5	54.5	54.5	54.6	54.7	54.8	54.8	55.1
IV 14000	45.5	52.4	53.4	54.2	54.8	55.0	55.2	55.3	55.3	55.3	55.3	55.4	55.5	55.6	55.6	55.9
IV 12000	47.4	54.5	55.6	56.5	57.1	57.2	57.4	57.5	57.6	57.6	57.6	57.7	57.8	57.8	57.8	58.1
IV 10000	48.9	56.6	57.8	58.7	59.3	59.5	59.7	59.8	59.8	59.8	59.8	59.9	60.0	60.1	60.1	60.4
IV 9000	50.4	58.3	59.5	60.4	61.0	61.1	61.3	61.4	61.5	61.5	61.5	61.6	61.7	61.7	61.7	62.0
IV 8000	51.6	59.8	61.1	62.0	62.6	62.7	62.9	63.0	63.1	63.1	63.1	63.2	63.3	63.3	63.3	63.6
IV 7000	53.1	61.6	62.8	63.8	64.5	64.6	64.9	65.0	65.0	65.0	65.0	65.1	65.2	65.3	65.3	65.6
IV 6000	54.2	63.1	64.5	65.6	66.2	66.3	66.7	66.8	66.8	66.8	66.8	66.9	67.0	67.1	67.1	67.4
IV 5000	55.2	64.6	66.0	67.1	68.0	68.1	68.5	68.7	68.7	68.7	68.7	68.8	68.9	69.0	69.0	69.3
IV 4500	55.7	65.1	66.7	67.8	68.7	68.8	69.2	69.4	69.5	69.5	69.5	69.5	69.5	69.7	69.7	70.0
IV 4000	56.8	66.8	68.4	69.5	70.5	70.6	71.0	71.2	71.2	71.2	71.2	71.3	71.4	71.5	71.5	71.8
IV 3500	57.4	68.0	69.6	70.7	71.6	71.8	72.2	72.4	72.4	72.4	72.4	72.5	72.6	72.7	72.7	73.0
IV 3000	58.6	70.0	71.7	72.9	73.8	74.0	74.5	74.7	74.8	74.8	74.8	74.8	75.0	75.1	75.1	75.4
IV 2500	60.5	72.4	74.3	75.6	76.6	76.8	77.3	77.5	77.6	77.6	77.6	77.7	77.9	77.9	77.9	78.3
IV 2000	61.8	74.5	76.8	78.2	79.6	79.8	80.5	80.8	80.8	80.8	80.8	80.9	81.1	81.2	81.2	81.5
IV 1800	62.4	75.3	77.6	79.1	80.4	80.6	81.4	81.6	81.7	81.7	81.7	81.8	82.0	82.0	82.0	82.4
IV 1500	63.5	77.1	79.6	81.1	82.6	82.9	83.6	83.9	84.0	84.0	84.0	84.1	84.3	84.4	84.4	84.8
IV 1200	64.4	79.1	81.8	83.5	85.3	85.6	86.5	86.9	87.0	87.1	87.1	87.2	87.3	87.5	87.5	87.9
IV 1000	64.7	80.4	83.3	85.3	87.6	87.9	88.9	89.4	89.5	89.7	89.8	89.9	90.2	90.2	90.2	90.6
IV 900	64.8	80.9	84.0	86.3	88.7	89.1	90.3	90.8	90.9	91.1	91.3	91.4	91.6	91.6	91.7	92.0
IV 800	64.8	81.7	84.9	87.3	89.8	90.3	91.6	92.2	92.3	92.6	92.7	92.8	93.0	93.1	93.1	93.5
IV 700	64.9	82.0	85.2	87.9	90.5	91.0	92.3	93.2	93.4	93.7	93.9	94.0	94.3	94.3	94.3	94.7
IV 600	64.9	82.1	85.4	88.1	90.8	91.3	92.9	93.7	93.8	94.2	94.5	94.5	94.9	94.9	94.9	95.3
IV 500	64.9	82.1	85.6	88.5	91.3	92.0	93.7	94.8	95.0	95.8	96.1	96.2	96.5	96.5	96.6	97.1
IV 400	64.9	82.2	85.7	88.6	91.6	92.3	94.3	95.4	95.7	96.5	97.0	97.1	97.4	97.5	97.6	98.0
IV 300	64.9	82.2	85.7	88.6	91.7	92.4	94.4	95.6	95.9	97.0	97.5	97.7	98.1	98.1	98.4	98.9
IV 200	64.9	82.2	85.7	88.6	91.7	92.4	94.4	95.7	95.9	97.1	97.7	97.8	98.3	98.4	98.7	99.2
IV 100	64.9	82.2	85.7	88.6	91.7	92.4	94.4	95.7	95.9	97.1	97.7	97.8	98.4	98.4	98.8	99.6
IV 0	64.9	82.2	85.7	88.6	91.7	92.4	94.4	95.7	95.9	97.1	97.7	97.8	98.4	98.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2511

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-50,56-72  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	40.3 47.1	44.2 52.1	44.6 52.8	45.0 53.4	45.3 53.6	45.3 53.6	45.3 53.7	45.4 53.8	45.4 53.8	45.4 53.8	45.4 53.8	45.4 53.8	45.4 53.8	45.4 53.8	45.4 53.8	45.4 53.9
IV 18000 16000	48.0 48.2	53.1 53.2	53.8 53.9	54.3 54.4	54.6 54.7	54.6 54.7	54.7 54.8	54.8 54.9	54.8 54.9	54.8 54.9	54.8 54.9	54.8 54.9	54.8 54.9	54.8 54.9	54.8 54.9	54.9 55.0
IV 14000 12000	48.4 50.3	53.5 55.7	54.2 56.5	54.7 57.0	55.0 57.3	55.0 57.3	55.1 57.4	55.2 57.5	55.2 57.5	55.2 57.5	55.2 57.5	55.2 57.5	55.2 57.5	55.2 57.5	55.2 57.5	55.3 57.6
IV 10000 9000	52.0 53.2	57.7 59.0	58.4 59.8	59.0 60.4	59.3 60.7	59.3 60.7	59.4 60.8	59.4 60.9	59.4 60.9	59.4 60.9	59.4 60.9	59.4 60.9	59.4 60.9	59.4 60.9	59.4 60.9	59.5 61.0
IV 8000 7000	54.8 56.3	60.9 62.7	61.8 63.5	62.4 64.2	62.7 64.5	62.7 64.5	62.7 64.6	62.9 64.7	62.9 64.7	62.9 64.7	62.9 64.7	62.9 64.7	62.9 64.7	62.9 64.7	62.9 64.7	63.0 64.9
IV 6000 5000	57.3 58.0	63.9 65.7	64.9 66.7	65.7 67.6	66.1 68.0	66.2 68.1	66.3 68.2	66.4 68.3	66.4 68.3	66.5 68.4	66.5 68.4	66.5 68.4	66.5 68.4	66.5 68.4	66.5 68.4	66.6 68.5
IV 4500 4000	59.1 60.4	66.0 67.5	67.1 68.7	67.9 69.6	68.4 70.0	68.4 70.1	68.5 70.3	68.7 70.4	68.7 70.4	68.8 70.5	68.8 70.5	68.8 70.5	68.8 70.5	68.8 70.5	68.8 70.5	68.9 70.7
IV 3500 3000	61.2 62.7	68.6 70.5	69.8 71.8	70.8 72.9	71.3 73.5	71.3 73.5	71.5 73.7	71.7 73.9	71.7 73.9	71.8 74.0	71.8 74.0	71.8 74.0	71.8 74.0	71.8 74.0	71.8 74.0	71.9 74.1
IV 2500 2000	64.1 66.2	72.8 75.7	74.1 77.5	75.4 79.0	76.0 79.8	76.0 79.9	76.2 80.1	76.4 80.4	76.4 80.4	76.5 80.5	76.5 80.5	76.5 80.5	76.5 80.5	76.5 80.5	76.5 80.5	76.6 80.7
IV 1800 1500	66.9 67.9	76.7 79.0	78.6 81.3	80.0 82.8	80.9 83.7	81.1 83.9	81.3 84.2	81.6 84.5	81.6 84.6	81.7 84.7	81.7 84.8	81.7 84.8	81.7 84.8	81.7 84.8	81.7 84.8	81.8 84.9
IV 1200 1000	68.8 69.0	81.2 82.2	84.1 85.5	85.8 87.6	87.1 89.4	87.5 89.8	87.9 90.3	88.3 90.8	88.4 90.9	88.6 91.1	88.7 91.3	88.7 91.3	88.8 91.4	88.8 91.4	88.8 91.4	88.9 91.6
IV 900 800	69.0 69.1	82.5 82.9	85.9 86.5	88.2 89.1	90.2 91.3	90.6 91.7	91.2 92.4	92.0 93.3	92.0 93.4	92.3 93.6	92.5 93.9	92.6 94.0	92.7 94.1	92.7 94.1	92.7 94.1	92.8 94.2
IV 700 600	69.1 69.1	83.1 83.2	86.8 86.9	89.6 89.7	92.2 92.4	92.7 92.9	93.7 94.0	94.6 95.0	94.8 95.2	95.1 95.6	95.4 95.9	95.5 96.0	95.6 96.2	95.6 96.2	95.7 96.3	95.8 96.4
IV 500 400	69.1 69.1	83.3 83.3	87.1 87.2	90.0 90.2	92.8 93.1	93.4 93.8	94.8 95.2	95.9 96.5	96.1 96.7	96.7 97.3	97.2 97.9	97.3 98.0	97.6 98.3	97.6 98.4	97.8 98.5	97.9 98.6
IV 300 200	69.1 69.1	83.3 83.3	87.2 87.2	90.2 90.2	93.1 93.1	93.8 93.8	95.4 95.4	96.7 96.7	96.9 97.0	97.6 97.8	98.2 98.4	98.3 98.5	98.7 99.0	98.8 99.1	99.0 99.3	99.3 99.6
IV 100 0	69.1 69.1	83.3 83.3	87.2 87.2	90.2 90.2	93.1 93.1	93.8 93.8	95.4 95.4	96.7 96.7	97.0 97.0	97.8 97.8	98.6 98.6	98.6 98.6	99.2 99.2	99.3 99.3	99.5 99.5	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 2502

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

MAR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (ZUL)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	40.1	42.1	42.2	42.6	42.8	42.8	42.9	43.0	43.0	43.2	43.2	43.2	43.3	43.3	43.3	43.3
≥ 20000	48.4	51.8	52.0	52.5	52.7	52.7	52.8	52.9	52.9	53.0	53.1	53.1	53.2	53.2	53.2	53.3
IV 18000	49.7	53.1	53.3	53.8	54.0	54.0	54.1	54.2	54.2	54.3	54.4	54.4	54.5	54.5	54.5	54.6
IV 16000	49.9	53.2	53.5	54.0	54.2	54.2	54.3	54.4	54.4	54.6	54.6	54.6	54.8	54.8	54.8	54.8
IV 14000	50.5	53.9	54.0	54.6	54.8	54.8	54.8	55.0	55.0	55.1	55.1	55.1	55.3	55.3	55.3	55.3
IV 12000	51.7	55.3	55.5	56.0	56.2	56.2	56.3	56.4	56.4	56.5	56.6	56.6	56.7	56.7	56.7	56.8
IV 10000	53.3	57.0	57.2	57.8	58.0	58.0	58.0	58.2	58.2	58.3	58.3	58.3	58.5	58.5	58.5	58.5
IV 9000	54.4	58.2	58.4	59.0	59.2	59.2	59.2	59.4	59.4	59.5	59.5	59.5	59.7	59.7	59.7	59.7
IV 8000	56.1	60.2	60.5	61.1	61.3	61.3	61.3	61.5	61.5	61.6	61.6	61.6	61.8	61.8	61.8	61.8
IV 7000	57.8	62.1	62.5	63.1	63.3	63.3	63.3	63.5	63.5	63.6	63.7	63.7	63.8	63.8	63.8	63.9
IV 6000	58.6	63.3	63.6	64.2	64.4	64.4	64.5	64.6	64.6	64.7	64.8	64.8	64.9	64.9	64.9	65.0
IV 5000	60.5	65.4	65.8	66.4	66.6	66.6	66.7	66.8	66.8	66.9	67.0	67.0	67.1	67.1	67.1	67.2
IV 4500	61.0	65.9	66.3	66.9	67.1	67.1	67.2	67.4	67.4	67.5	67.6	67.6	67.7	67.7	67.7	67.8
IV 4000	62.5	67.9	68.4	69.0	69.2	69.2	69.4	69.6	69.6	69.7	69.8	69.8	69.9	69.9	69.9	70.0
IV 3500	64.0	69.6	70.2	70.9	71.2	71.2	71.3	71.5	71.5	71.7	71.7	71.7	71.9	71.9	71.9	71.9
IV 3000	66.6	73.1	73.8	74.5	74.8	74.8	75.0	75.2	75.2	75.4	75.5	75.5	75.6	75.6	75.6	75.7
IV 2500	69.4	76.7	77.4	78.3	78.6	78.6	78.8	79.0	79.1	79.3	79.3	79.3	79.5	79.5	79.5	79.5
IV 2000	72.3	80.8	82.1	83.2	83.6	83.6	83.9	84.1	84.1	84.3	84.4	84.4	84.5	84.5	84.5	84.6
IV 1800	72.9	81.7	83.1	84.4	84.8	84.8	85.1	85.4	85.4	85.6	85.7	85.7	85.8	85.8	85.8	85.9
IV 1500	73.4	83.6	85.5	86.9	87.3	87.4	87.9	88.1	88.2	88.5	88.5	88.5	88.7	88.7	88.7	88.7
IV 1200	74.0	85.4	87.6	89.4	90.1	90.1	90.7	91.0	91.1	91.5	91.5	91.5	91.7	91.7	91.7	91.7
IV 1000	74.1	86.1	88.9	91.1	92.1	92.3	92.9	93.5	93.5	93.9	94.0	94.0	94.2	94.2	94.2	94.3
IV 900	74.2	86.5	89.3	91.5	92.7	92.9	93.5	94.2	94.3	94.7	94.8	94.8	95.0	95.0	95.0	95.1
IV 800	74.2	86.7	89.6	91.9	93.2	93.4	94.2	94.9	94.9	95.5	95.7	95.7	95.9	95.9	95.9	95.9
IV 700	74.2	86.9	89.8	92.3	93.8	94.1	95.1	95.9	96.0	96.6	96.8	96.8	97.0	97.0	97.0	97.0
IV 600	74.3	87.0	89.9	92.6	94.2	94.5	95.5	96.4	96.6	97.2	97.4	97.4	97.7	97.8	97.8	97.9
IV 500	74.3	87.0	90.0	92.7	94.3	94.7	95.8	96.8	97.0	97.7	98.1	98.2	98.5	98.6	98.8	98.8
IV 400	74.3	87.0	90.1	92.8	94.5	94.9	96.1	97.1	97.4	98.1	98.5	98.6	98.9	99.0	99.2	99.2
IV 300	74.3	87.0	90.1	92.9	94.5	94.9	96.1	97.2	97.5	98.3	98.7	98.8	99.1	99.3	99.4	99.5
IV 200	74.3	87.0	90.1	92.9	94.6	95.0	96.2	97.4	97.6	98.4	98.8	98.9	99.3	99.5	99.6	99.8
IV 100	74.3	87.0	90.1	92.9	94.6	95.0	96.3	97.4	97.6	98.4	98.9	99.0	99.4	99.6	99.8	100.0
IV 0	74.3	87.0	90.1	92.9	94.6	95.0	96.3	97.4	97.6	98.4	98.9	99.0	99.4	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

2493

USAF ETAC

FORM  
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.8	43.3	43.4	43.5	43.6	43.6	43.6	43.8	43.8	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 20000	49.4	52.9	53.4	53.6	53.6	53.6	53.7	53.8	53.8	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 18000	49.9	53.3	53.8	54.0	54.1	54.1	54.1	54.2	54.2	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 16000	50.0	53.6	54.0	54.2	54.3	54.3	54.4	54.5	54.5	54.9	54.9	54.9	55.0	55.0	55.0	55.0
IV 14000	50.5	54.1	54.6	54.8	54.8	54.8	54.9	55.0	55.0	55.4	55.4	55.4	55.5	55.5	55.5	55.5
IV 12000	51.8	55.6	56.1	56.3	56.4	56.4	56.4	56.5	56.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 10000	53.6	57.4	57.9	58.1	58.2	58.2	58.2	58.3	58.3	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 9000	54.3	58.3	58.8	59.0	59.1	59.1	59.1	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 8000	56.0	60.3	60.8	61.1	61.2	61.2	61.2	61.3	61.3	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 7000	57.6	62.1	62.6	63.0	63.2	63.2	63.2	63.4	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 6000	58.6	63.3	63.9	64.2	64.4	64.4	64.5	64.6	64.6	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 5000	60.3	65.5	66.2	66.6	66.8	66.8	66.9	67.0	67.0	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 4500	61.2	66.8	67.5	67.9	68.1	68.1	68.2	68.3	68.3	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 4000	63.4	69.4	70.1	70.6	70.8	70.8	70.9	71.0	71.0	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 3500	65.2	71.7	72.6	73.0	73.2	73.2	73.4	73.5	73.5	73.9	73.9	73.9	74.0	74.0	74.0	74.0
IV 3000	68.2	75.1	75.1	76.7	76.9	76.9	77.1	77.2	77.2	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 2500	70.5	78.2	79.3	80.3	80.6	80.6	80.7	80.9	80.9	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 2000	72.6	81.5	83.0	84.0	84.4	84.4	84.6	84.8	84.8	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1800	73.1	82.4	84.3	85.4	85.8	85.8	86.1	86.3	86.3	86.8	86.8	86.8	86.9	86.9	86.9	86.9
IV 1500	73.7	84.3	86.4	87.6	88.1	88.1	88.6	88.8	88.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 1200	73.9	85.3	87.8	89.4	90.0	90.1	90.6	90.9	91.0	91.5	91.5	91.5	91.6	91.6	91.6	91.6
IV 1000	74.0	86.1	89.0	90.7	91.6	91.8	92.6	92.9	93.0	93.5	93.5	93.5	93.6	93.6	93.6	93.6
IV 900	74.1	86.4	89.4	91.1	92.0	92.2	93.1	93.6	93.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 800	74.2	86.7	89.9	91.7	92.8	93.1	94.2	94.7	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 700	74.2	86.9	90.1	92.1	93.5	93.7	94.9	95.5	95.5	96.2	96.4	96.4	96.5	96.5	96.5	96.5
IV 600	74.2	87.1	90.4	92.5	94.1	94.5	95.7	96.3	96.5	97.1	97.5	97.6	97.8	97.8	97.8	97.8
IV 500	74.2	87.1	90.6	92.6	94.3	94.7	96.1	97.0	97.1	98.0	98.5	98.7	99.0	99.0	99.1	99.1
IV 400	74.2	87.1	90.6	92.6	94.4	94.7	96.3	97.2	97.3	98.2	98.8	99.0	99.3	99.3	99.4	99.4
IV 300	74.2	87.1	90.6	92.6	94.4	94.7	96.4	97.3	97.5	98.5	99.1	99.2	99.6	99.6	99.7	99.8
IV 200	74.2	87.1	90.6	92.6	94.4	94.7	96.4	97.3	97.5	98.6	99.2	99.3	99.7	99.7	99.8	99.9
IV 100	74.2	87.1	90.6	92.6	94.4	94.7	96.4	97.3	97.5	98.6	99.2	99.3	99.7	99.7	99.8	100.0
IV 0	74.2	87.1	90.6	92.6	94.4	94.7	96.4	97.3	97.5	98.6	99.2	99.3	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

2489

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,48-50,56-72  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.6	50.5	50.8	50.9	51.0	51.1	51.1	51.2	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5
IV 20000	53.9	58.4	58.8	59.0	59.1	59.2	59.2	59.3	59.3	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 18000	54.4	59.0	59.4	59.6	59.7	59.8	59.8	59.9	59.9	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 16000	54.5	59.1	59.4	59.6	59.7	59.8	59.9	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 14000	55.0	59.7	60.1	60.3	60.4	60.5	60.5	60.6	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 12000	56.0	61.1	61.4	61.7	61.7	61.8	61.9	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 10000	57.3	62.5	62.9	63.1	63.2	63.3	63.3	63.4	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 9000	58.1	63.5	63.9	64.1	64.2	64.2	64.3	64.4	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 8000	59.7	65.4	65.8	66.0	66.1	66.2	66.2	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 7000	60.9	67.0	67.4	67.7	67.8	67.9	67.9	68.0	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 6000	62.6	69.0	69.4	69.7	69.8	69.8	69.9	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 5000	63.8	70.6	71.2	71.5	71.7	71.8	71.8	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 4500	64.6	71.5	72.0	72.4	72.5	72.6	72.7	72.8	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 4000	66.5	73.7	74.3	74.6	74.8	74.9	74.9	75.1	75.1	75.3	75.4	75.4	75.4	75.4	75.4	75.4
IV 3500	67.4	75.0	75.6	76.0	76.2	76.2	76.3	76.5	76.5	76.7	76.8	76.8	76.8	76.8	76.8	76.8
IV 3000	69.4	78.0	78.7	79.3	79.6	79.6	79.7	79.9	79.9	80.1	80.2	80.2	80.2	80.2	80.2	80.2
IV 2500	70.8	80.1	81.1	81.8	82.1	82.2	82.3	82.5	82.5	82.7	82.8	82.8	82.8	82.8	82.8	82.8
IV 2000	71.8	82.6	84.0	84.8	85.2	85.4	85.5	85.7	85.7	86.0	86.1	86.1	86.1	86.1	86.1	86.1
IV 1800	72.2	83.5	84.9	85.8	86.3	86.4	86.6	86.8	86.8	87.1	87.2	87.2	87.2	87.2	87.2	87.2
IV 1500	73.1	85.3	87.0	88.2	88.7	88.8	89.1	89.4	89.4	89.8	89.9	89.9	89.9	89.9	89.9	89.9
IV 1200	73.3	86.4	88.4	89.6	90.4	90.5	91.0	91.3	91.4	91.9	92.0	92.0	92.0	92.0	92.0	92.0
IV 1000	73.7	87.2	89.2	90.5	91.4	91.5	92.1	92.6	92.8	93.4	93.6	93.6	93.6	93.6	93.6	93.6
IV 900	73.8	87.5	89.6	91.0	92.1	92.3	92.9	93.5	93.7	94.3	94.5	94.5	94.5	94.5	94.5	94.5
IV 800	73.8	87.8	90.1	91.5	92.8	93.0	93.8	94.5	94.8	95.4	95.7	95.7	95.7	95.7	95.7	95.7
IV 700	73.9	88.1	90.3	91.9	93.2	93.4	94.1	95.0	95.3	95.9	96.3	96.3	96.3	96.3	96.3	96.3
IV 600	74.0	88.3	90.7	92.3	93.8	94.1	95.1	96.2	96.4	97.2	97.8	97.8	97.8	97.8	97.8	97.8
IV 500	74.1	88.4	90.9	92.6	94.2	94.6	95.6	96.7	97.0	98.0	98.6	98.7	98.8	98.8	98.8	98.8
IV 400	74.1	88.5	90.9	92.6	94.3	94.6	95.7	96.8	97.2	98.2	98.8	98.9	99.2	99.3	99.4	99.4
IV 300	74.1	88.5	90.9	92.6	94.3	94.6	95.8	96.9	97.3	98.3	99.0	99.1	99.4	99.5	99.6	99.6
IV 200	74.1	88.5	90.9	92.6	94.3	94.6	95.8	96.9	97.3	98.3	99.0	99.1	99.6	99.7	99.9	99.9
IV 100	74.1	88.5	90.9	92.6	94.3	94.6	95.8	96.9	97.3	98.3	99.0	99.1	99.6	99.8	100.0	100.0
IV 0	74.1	88.5	90.9	92.6	94.3	94.6	95.8	96.9	97.3	98.3	99.0	99.1	99.6	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2324

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,48-50,56-72  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	53.9	57.8	58.1	58.1	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 20000	59.1	63.6	63.9	64.0	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 18000	59.5	64.0	64.3	64.4	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 16000	59.7	64.1	64.4	64.5	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 14000	59.7	64.3	64.6	64.7	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 12000	60.5	65.3	65.6	65.7	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 10000	62.1	67.0	67.3	67.4	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 9000	62.9	68.0	68.3	68.4	68.6	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 8000	63.9	69.0	69.3	69.4	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 7000	65.0	70.3	70.6	70.7	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 6000	66.7	72.0	72.3	72.4	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 5000	67.9	73.5	73.9	74.0	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 4500	68.4	74.2	74.6	74.7	74.9	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 4000	69.4	75.7	76.1	76.3	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 3500	70.1	76.7	77.2	77.4	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 3000	71.6	79.1	79.8	80.1	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 2500	72.7	81.0	81.8	82.1	82.5	82.6	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 2000	74.0	82.9	84.0	84.4	85.1	85.1	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 1800	74.5	83.7	85.0	85.5	86.1	86.1	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 1500	75.9	85.8	87.4	87.8	88.7	88.8	89.2	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 1200	76.2	87.1	89.0	89.5	90.8	90.9	91.5	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1000	76.7	88.1	90.3	91.1	92.6	92.7	93.7	94.0	94.0	94.3	94.4	94.4	94.4	94.4	94.4	94.4
IV 900	76.7	88.5	90.8	91.6	93.1	93.2	94.3	94.5	94.6	94.9	95.0	95.0	95.1	95.1	95.1	95.1
IV 800	76.8	88.8	91.3	92.1	93.8	93.9	95.0	95.4	95.4	95.7	95.9	95.9	95.9	95.9	95.9	95.9
IV 700	76.9	89.0	91.4	92.4	94.1	94.2	95.5	96.0	96.0	96.4	96.7	96.7	96.7	96.7	96.7	96.7
IV 600	76.9	89.2	91.7	92.7	94.5	94.6	96.1	96.7	96.7	97.3	97.5	97.5	97.6	97.6	97.6	97.6
IV 500	76.9	89.2	91.8	92.8	94.8	94.9	96.7	97.5	97.6	98.6	99.0	99.0	99.0	99.1	99.1	99.1
IV 400	76.9	89.2	91.8	92.9	94.8	94.9	96.8	97.6	97.7	98.8	99.2	99.3	99.3	99.5	99.5	99.5
IV 300	76.9	89.2	91.8	92.9	94.8	94.9	96.8	97.6	97.7	98.9	99.4	99.4	99.5	99.7	99.7	99.7
IV 200	76.9	89.2	91.8	92.9	94.8	94.9	96.8	97.6	97.7	98.9	99.4	99.4	99.5	99.7	99.7	99.7
IV 100	76.9	89.2	91.8	92.9	94.8	94.9	96.8	97.6	97.7	98.9	99.4	99.4	99.5	99.7	99.7	99.7
IV 0	76.9	89.2	91.8	92.9	94.8	94.9	96.8	97.6	97.7	98.9	99.4	99.4	99.5	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2303



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-71  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	54.7	57.8	58.2	58.5	58.7	58.7	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.2
IV 20000	61.8	66.1	66.5	66.7	67.1	67.1	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.6
IV 18000	62.1	66.4	66.8	67.0	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.9
IV 16000	62.1	66.4	66.8	67.0	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.9
IV 14000	62.4	66.7	67.1	67.4	67.8	67.8	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.3
IV 12000	64.1	68.6	69.0	69.3	69.8	69.8	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.2
IV 10000	65.9	71.0	71.4	71.7	72.1	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.6
IV 9000	66.6	71.9	72.3	72.5	73.0	73.0	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.4
IV 8000	68.4	73.8	74.2	74.4	74.9	74.9	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.4
IV 7000	69.8	75.4	76.0	76.3	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.1	77.1	77.1	77.3
IV 6000	71.3	77.1	77.7	78.1	78.5	78.5	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	79.0
IV 5000	73.0	79.9	80.5	81.0	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	82.0
IV 4500	73.6	81.0	81.6	82.1	82.6	82.6	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	83.1
IV 4000	74.2	82.1	82.8	83.4	84.2	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.6
IV 3500	74.7	82.6	83.4	84.0	84.8	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.1	85.1	85.1	85.2
IV 3000	75.5	83.9	84.7	85.5	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.8
IV 2500	76.6	85.3	86.4	87.2	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.6
IV 2000	77.9	87.2	88.4	89.3	90.2	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.7
IV 1800	78.4	87.8	89.1	89.9	90.8	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.3
IV 1500	78.9	88.8	90.1	91.0	92.0	92.0	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.6
IV 1200	79.7	90.5	91.8	92.8	94.0	94.0	94.3	94.3	94.3	94.4	94.4	94.4	94.5	94.5	94.5	94.7
IV 1000	80.0	91.5	93.0	94.0	95.3	95.3	95.7	95.7	95.8	95.8	95.9	95.9	95.9	95.9	95.9	96.1
IV 900	80.2	92.0	93.5	94.6	96.0	96.0	96.4	96.4	96.5	96.6	96.6	96.6	96.7	96.7	96.7	96.9
IV 800	80.2	92.2	93.7	94.9	96.4	96.4	96.8	96.8	96.8	96.9	97.0	97.1	97.1	97.1	97.1	97.3
IV 700	80.3	92.5	94.1	95.4	96.9	97.0	97.4	97.4	97.5	97.7	97.7	97.7	97.9	97.9	97.9	98.1
IV 600	80.3	92.6	94.2	95.6	97.3	97.3	97.7	97.7	98.0	98.1	98.3	98.5	98.5	98.6	98.6	98.8
IV 500	80.3	92.6	94.2	95.8	97.5	97.6	98.3	98.5	98.6	98.8	99.1	99.1	99.2	99.2	99.2	99.3
IV 400	80.3	92.6	94.2	95.9	97.7	97.8	98.5	98.7	98.8	99.1	99.3	99.3	99.4	99.4	99.4	99.6
IV 300	80.3	92.6	94.3	95.9	97.8	97.9	98.6	98.8	98.9	99.2	99.4	99.4	99.6	99.6	99.6	99.8
IV 200	80.3	92.7	94.4	96.0	97.9	97.9	98.7	98.9	99.0	99.3	99.6	99.6	99.8	99.8	99.8	100.0
IV 100	80.3	92.7	94.4	96.0	97.9	97.9	98.7	98.9	99.0	99.3	99.6	99.6	99.8	99.8	99.8	100.0
IV 0	80.3	92.7	94.4	96.0	97.9	97.9	98.7	98.9	99.0	99.3	99.6	99.6	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2242

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-43-48-50,57-72  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	48.4	53.1	53.6	53.8	54.1	54.1	54.3	54.4	54.4	54.7	54.8	54.8	54.9	54.9	55.1	55.2
IV 20500	55.7	61.0	61.5	61.7	62.1	62.1	62.3	62.4	62.4	62.7	62.8	62.8	62.9	62.9	63.1	63.2
IV 18000	55.9	61.2	61.6	61.9	62.3	62.3	62.5	62.6	62.6	62.8	63.0	63.0	63.1	63.1	63.3	63.4
IV 16000	56.2	61.5	61.9	62.1	62.5	62.5	62.8	62.9	62.9	63.1	63.3	63.3	63.4	63.4	63.6	63.7
IV 14000	56.3	61.5	62.0	62.2	62.6	62.6	62.9	63.0	63.0	63.2	63.4	63.4	63.5	63.5	63.6	63.8
IV 12000	58.0	63.4	63.8	64.0	64.4	64.4	64.7	64.8	64.8	65.0	65.2	65.2	65.3	65.3	65.5	65.6
IV 10000	59.6	65.2	65.6	65.8	66.2	66.2	66.5	66.6	66.6	66.8	67.0	67.0	67.1	67.1	67.2	67.4
IV 9000	60.3	66.1	66.6	66.8	67.2	67.2	67.5	67.6	67.6	67.8	68.0	68.0	68.0	68.0	68.2	68.4
IV 8000	62.3	68.5	69.1	69.3	69.7	69.7	70.0	70.0	70.0	70.3	70.4	70.4	70.5	70.5	70.7	70.9
IV 7000	63.7	70.3	70.9	71.1	71.5	71.5	71.7	71.8	71.8	72.1	72.2	72.2	72.3	72.3	72.5	72.6
IV 6000	65.5	72.5	73.0	73.2	73.6	73.6	73.9	74.0	74.0	74.2	74.4	74.4	74.5	74.5	74.6	74.8
IV 5000	66.5	74.5	75.1	75.4	75.8	75.8	76.1	76.2	76.2	76.4	76.6	76.6	76.7	76.7	76.9	77.0
IV 4500	67.2	75.6	76.4	76.7	77.1	77.1	77.3	77.4	77.4	77.7	77.8	77.8	77.9	77.9	78.1	78.2
IV 4000	68.7	77.7	78.6	78.9	79.4	79.4	79.6	79.7	79.7	80.0	80.2	80.2	80.2	80.2	80.4	80.6
IV 3500	69.2	78.2	79.2	79.6	80.1	80.1	80.3	80.4	80.4	80.7	80.9	80.9	81.0	81.0	81.1	81.3
IV 3000	70.2	79.9	80.9	81.4	81.8	81.8	82.1	82.2	82.2	82.5	82.6	82.6	82.7	82.7	82.9	83.0
IV 2500	70.9	81.1	82.3	82.9	83.5	83.5	83.8	83.8	83.8	84.2	84.3	84.3	84.4	84.4	84.6	84.7
IV 2000	72.8	83.4	84.7	85.4	86.1	86.1	86.3	86.4	86.4	86.7	86.9	86.9	87.0	87.0	87.2	87.3
IV 1800	73.2	83.9	85.3	86.0	86.6	86.6	86.9	87.0	87.0	87.3	87.5	87.5	87.6	87.6	87.8	87.9
IV 1500	74.3	85.7	87.2	87.9	88.6	88.6	88.9	89.0	89.0	89.3	89.5	89.5	89.5	89.5	89.7	89.9
IV 1200	75.3	87.9	89.6	90.4	91.2	91.2	91.5	91.6	91.6	91.9	92.1	92.1	92.2	92.2	92.3	92.5
IV 1000	75.6	88.9	90.7	91.7	92.6	92.6	93.0	93.1	93.1	93.4	93.6	93.6	93.7	93.7	93.9	94.0
IV 900	75.8	89.3	91.3	92.3	93.1	93.1	93.5	93.6	93.6	93.9	94.2	94.2	94.3	94.3	94.5	94.6
IV 800	75.9	89.8	91.9	93.0	93.9	93.9	94.3	94.4	94.4	94.7	95.0	95.0	95.1	95.1	95.3	95.4
IV 700	76.0	90.3	92.6	93.7	94.7	94.7	95.3	95.5	95.5	95.9	96.2	96.2	96.3	96.3	96.4	96.6
IV 600	76.0	90.7	93.0	94.4	95.6	95.6	96.4	96.6	96.6	97.0	97.3	97.3	97.4	97.4	97.6	97.7
IV 500	76.0	90.7	93.1	94.7	95.9	95.9	96.7	97.0	97.0	97.4	97.7	97.7	97.9	97.9	98.0	98.2
IV 400	76.0	90.8	93.1	94.8	96.3	96.3	97.1	97.4	97.4	98.0	98.3	98.3	98.5	98.5	98.7	98.8
IV 300	76.0	90.8	93.2	94.8	96.4	96.4	97.2	97.6	97.6	98.2	98.5	98.5	98.8	98.8	99.0	99.1
IV 200	76.0	90.8	93.2	94.8	96.4	96.4	97.2	97.6	97.7	98.2	98.8	98.8	99.1	99.1	99.2	99.4
IV 100	76.0	90.8	93.2	94.8	96.4	96.4	97.2	97.6	97.7	98.3	98.8	98.8	99.1	99.1	99.4	99.6
IV 0	76.0	90.8	93.2	94.8	96.4	96.4	97.2	97.6	97.7	98.3	98.8	98.8	99.1	99.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2247

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	35.3	40.6	41.8	42.5	42.8	42.9	43.1	43.2	43.2	43.3	43.3	43.3	43.3	43.4	43.4	43.5
≥ 20000	44.8	50.9	52.2	53.0	53.3	53.4	53.6	53.8	53.8	53.8	53.9	53.9	54.0	54.0	54.1	54.3
IV 18000	45.1	51.3	52.5	53.3	53.6	53.7	53.9	54.1	54.1	54.2	54.3	54.3	54.3	54.3	54.4	54.6
IV 16000	45.2	51.4	52.7	53.5	53.8	53.9	54.1	54.3	54.3	54.3	54.4	54.4	54.5	54.5	54.6	54.7
IV 14000	45.7	52.0	53.4	54.2	54.6	54.7	54.9	55.0	55.0	55.1	55.2	55.2	55.2	55.3	55.4	55.5
IV 12000	46.9	53.6	54.9	55.7	56.1	56.2	56.4	56.6	56.6	56.7	56.8	56.8	56.8	56.8	56.9	57.1
IV 10000	49.5	56.8	58.2	59.0	59.5	59.6	59.8	60.0	60.0	60.1	60.1	60.1	60.2	60.2	60.3	60.5
IV 9000	50.5	57.8	59.3	60.1	60.6	60.7	60.9	61.1	61.1	61.2	61.3	61.3	61.3	61.3	61.4	61.6
IV 8000	53.7	61.3	62.9	63.9	64.4	64.4	64.7	64.9	64.9	64.9	65.0	65.0	65.1	65.1	65.2	65.3
IV 7000	55.4	63.6	65.5	66.5	67.0	67.1	67.3	67.5	67.5	67.6	67.8	67.8	67.8	67.8	68.0	68.1
IV 6000	57.1	65.6	67.6	68.6	69.1	69.2	69.4	69.6	69.6	69.8	70.0	70.0	70.0	70.1	70.2	70.4
IV 5000	58.5	67.6	69.7	70.8	71.4	71.4	71.7	71.8	71.8	72.0	72.3	72.3	72.3	72.3	72.5	72.6
IV 4500	59.1	68.5	70.6	71.7	72.4	72.5	72.7	72.9	72.9	73.1	73.3	73.3	73.4	73.4	73.5	73.7
IV 4000	60.8	70.9	73.2	74.5	75.3	75.4	75.7	75.8	75.8	76.0	76.2	76.2	76.3	76.3	76.4	76.6
IV 3500	61.2	71.5	73.8	75.0	75.9	75.9	76.2	76.4	76.4	76.6	76.8	76.8	76.8	76.9	77.0	77.2
IV 3000	62.3	73.0	75.5	76.9	77.9	77.9	78.3	78.4	78.4	78.6	78.8	78.8	78.9	78.9	79.1	79.2
IV 2500	63.4	75.0	77.6	79.0	80.3	80.4	80.8	80.9	80.9	81.1	81.3	81.3	81.4	81.4	81.5	81.7
IV 2000	65.2	77.5	80.2	81.3	83.1	83.3	83.7	83.8	83.8	84.0	84.2	84.2	84.3	84.3	84.5	84.6
IV 1800	65.7	78.0	80.8	82.4	83.8	84.0	84.4	84.6	84.6	84.7	85.0	85.0	85.0	85.1	85.2	85.4
IV 1500	67.1	80.1	83.1	85.0	86.4	86.6	87.1	87.2	87.2	87.4	87.7	87.7	87.7	87.8	87.9	88.1
IV 1200	67.9	82.0	85.1	87.2	88.8	89.0	89.5	89.7	89.7	89.9	90.1	90.1	90.2	90.2	90.3	90.5
IV 1000	68.5	83.3	86.7	89.1	90.9	91.1	91.7	91.9	91.9	92.1	92.3	92.3	92.4	92.4	92.6	92.7
IV 900	68.9	83.9	87.3	89.8	91.7	91.9	92.4	92.7	92.7	92.9	93.2	93.2	93.2	93.2	93.4	93.5
IV 800	69.0	84.8	88.3	90.9	93.1	93.3	93.9	94.2	94.2	94.5	94.8	94.8	94.9	94.9	95.0	95.2
IV 700	69.0	85.2	89.0	91.7	93.9	94.2	94.9	95.2	95.2	95.4	95.7	95.7	95.9	95.9	96.1	96.2
IV 600	69.1	85.4	89.2	91.9	94.3	94.6	95.4	95.8	95.9	96.1	96.4	96.4	96.6	96.6	96.8	97.0
IV 500	69.1	85.5	89.5	92.5	94.9	95.3	96.4	96.9	97.0	97.4	97.7	97.7	97.9	98.0	98.2	98.3
IV 400	69.1	85.5	89.5	92.5	95.0	95.5	96.7	97.3	97.4	97.8	98.2	98.2	98.4	98.4	98.6	98.8
IV 300	69.1	85.6	89.6	92.6	95.1	95.7	96.9	97.5	97.6	98.0	98.4	98.4	98.7	98.8	99.1	99.3
IV 200	69.1	85.6	89.6	92.6	95.1	95.7	97.0	97.5	97.7	98.1	98.5	98.5	98.9	98.9	99.2	99.4
IV 100	69.1	85.6	89.6	92.6	95.1	95.7	97.0	97.5	97.7	98.1	98.5	98.5	98.9	98.9	99.3	99.5
IV 0	69.1	85.6	89.6	92.6	95.1	95.7	97.0	97.5	97.7	98.1	98.5	98.5	98.9	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 2444

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-50,56-72  
YEA 3

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/3	≥ 1/4	≥ 1/5	≥ 0
NO CEILING ≥ 20000	41.2 48.9	44.1 52.7	44.3 53.0	44.6 53.3	44.7 53.4	44.7 53.4	44.7 53.5	44.7 53.5	44.7 53.5	44.7 53.5	44.7 53.5	44.7 53.5	44.7 53.6	44.7 53.6	44.7 53.6	44.7 53.6
IV 18000 IV 16000	49.1 49.3	53.1 53.2	53.4 53.5	53.7 53.8	53.7 53.9	53.7 53.9	53.8 54.0	53.8 54.0	53.8 54.0	53.8 54.0	53.9 54.0	53.9 54.0	54.0 54.2	54.0 54.2	54.0 54.2	54.0 54.2
IV 14000 IV 12000	49.9 51.1	54.0 55.3	54.3 55.7	54.6 55.9	54.7 56.0	54.7 56.0	54.8 56.1	54.8 56.1	54.8 56.1	54.8 56.1	54.8 56.1	54.8 56.1	54.9 56.3	54.9 56.3	54.9 56.3	54.9 56.3
IV 10000 IV 9000	53.1 53.7	57.5 58.3	57.9 58.7	58.2 59.1	58.3 59.2	58.3 59.2	58.4 59.2	58.4 59.2	58.4 59.2	58.4 59.2	58.4 59.3	58.4 59.3	58.6 59.4	58.6 59.4	58.6 59.4	58.6 59.4
IV 8000 IV 7000	56.5 57.7	61.3 63.1	61.7 63.5	62.1 64.0	62.3 64.2	62.3 64.2	62.4 64.3	62.4 64.3	62.4 64.3	62.4 64.4	62.4 64.4	62.4 64.4	62.5 64.5	62.5 64.5	62.5 64.5	62.5 64.5
IV 6000 IV 5000	59.0 60.6	64.7 66.6	65.1 67.4	65.7 67.9	65.8 68.1	65.8 68.1	66.0 68.2	66.0 68.2	66.0 68.2	66.0 68.3	66.1 68.3	66.1 68.3	66.2 68.4	66.2 68.4	66.2 68.4	66.2 68.4
IV 4500 IV 4000	61.5 63.8	67.6 70.4	68.4 71.3	69.0 71.9	69.2 72.1	69.2 72.1	69.3 72.3	69.3 72.3	69.3 72.3	69.4 72.3	69.4 72.4	69.4 72.4	69.5 72.5	69.5 72.5	69.5 72.5	69.5 72.5
IV 3500 IV 3000	64.9 66.8	71.9 74.3	72.8 75.3	73.4 75.9	73.7 76.2	73.7 76.2	73.9 76.4	73.9 76.4	73.9 76.4	73.9 76.4	73.9 76.5	73.9 76.5	74.1 76.6	74.1 76.6	74.1 76.6	74.1 76.6
IV 2500 IV 2000	69.1 71.9	77.3 81.2	78.5 82.7	79.2 83.8	79.4 84.0	79.4 84.0	79.7 84.3	79.7 84.4	79.7 84.4	79.7 84.4	79.8 84.4	79.8 84.4	79.9 84.6	79.9 84.6	79.9 84.6	79.9 84.6
IV 1800 IV 1500	72.4 73.6	82.0 84.2	83.8 86.2	84.8 87.5	85.1 87.9	85.1 87.9	85.3 88.2	85.4 88.3	85.4 88.3	85.5 88.4	85.5 88.4	85.5 88.4	85.6 88.5	85.6 88.5	85.6 88.5	85.6 88.5
IV 1200 IV 1000	74.5 75.0	86.4 87.8	88.6 90.3	90.3 92.2	90.8 93.0	90.9 93.1	91.2 93.5	91.5 93.8	91.5 93.8	91.5 93.9	91.6 93.9	91.6 93.9	91.7 94.0	91.7 94.0	91.7 94.0	91.7 94.0
IV 900 IV 800	75.2 75.4	88.1 88.8	90.8 91.6	92.8 93.8	93.8 95.1	93.9 95.3	94.4 95.9	94.7 96.1	94.7 96.1	94.7 96.3	94.8 96.4	94.8 96.4	95.0 96.5	95.0 96.5	95.0 96.5	95.0 96.5
IV 700 IV 600	75.4 75.4	89.1 89.3	92.1 92.3	94.4 94.7	96.0 96.3	96.3 96.7	96.9 97.5	97.2 97.9	97.2 98.0	97.4 98.2	97.6 98.4	97.6 98.4	97.7 98.6	97.7 98.6	97.7 98.6	97.7 98.6
IV 500 IV 400	75.4 75.4	89.3 89.3	92.5 92.5	95.0 95.0	96.7 96.7	97.1 97.1	98.1 98.1	98.5 98.6	98.6 98.7	99.1 99.2	99.2 99.4	99.2 99.4	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6
IV 300 IV 200	75.4 75.4	89.3 89.3	92.5 92.5	95.0 95.0	96.7 96.7	97.1 97.1	98.2 98.2	98.7 98.7	98.7 98.8	99.3 99.3	99.6 99.6	99.6 99.6	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9
IV 100 IV 0	75.4 75.4	89.3 89.3	92.5 92.5	95.0 95.0	96.7 96.7	97.1 97.1	98.2 98.2	98.7 98.7	98.8 98.8	99.3 99.3	99.6 99.6	99.6 99.6	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 2456

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.1	45.7	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 20000	53.7	56.3	56.5	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 18000	54.0	56.8	57.0	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 16000	54.1	56.9	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 14000	54.8	57.5	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 12000	56.4	59.2	59.4	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 10000	57.7	60.8	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 9000	58.5	61.7	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 8000	60.8	64.3	64.5	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 7000	61.4	65.2	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 6000	62.5	66.4	66.8	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 5000	64.1	68.5	69.1	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 4500	65.1	69.6	70.2	70.5	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 4000	67.5	72.7	73.4	73.7	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 3500	69.2	74.7	75.4	75.7	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 3000	72.5	78.7	79.6	79.9	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 2500	75.2	82.2	83.1	83.5	83.9	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 2000	78.1	86.1	87.3	87.9	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 1800	78.4	86.6	87.9	88.6	88.9	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 1500	79.4	88.1	89.6	90.6	90.9	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 1200	80.1	89.8	91.5	92.6	93.2	93.3	93.4	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 1000	80.5	90.6	92.4	93.7	94.6	94.6	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 900	80.7	91.2	93.1	94.7	95.7	95.8	96.2	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 800	80.8	91.7	93.6	95.4	96.6	96.8	97.4	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 700	80.8	91.7	93.7	95.5	96.9	97.1	97.8	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 600	80.8	91.7	93.8	95.9	97.4	97.6	98.4	98.9	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	80.8	91.7	93.9	96.0	97.5	97.7	98.6	99.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	80.8	91.7	93.9	96.0	97.5	97.7	98.7	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	80.8	91.7	93.9	96.0	97.5	97.7	98.7	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	80.8	91.7	93.9	96.0	97.5	97.7	98.7	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	80.8	91.7	93.9	96.0	97.5	97.7	98.7	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	80.8	91.7	93.9	96.0	97.5	97.7	98.7	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2447

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	43.5 54.8	44.6 57.4	44.8 57.7	44.8 57.8	44.8 57.8	44.8 57.8	44.8 57.8	44.8 57.8	44.8 57.8	44.8 57.8	44.8 57.8	44.8 57.8	44.8 57.8	44.8 57.8	44.8 57.8	44.8 57.8
IV 18000 16000	55.2 55.5	57.8 58.1	58.1 58.4	58.2 58.4	58.2 58.5	58.2 58.5	58.2 58.5	58.2 58.5	58.2 58.5	58.2 58.5	58.2 58.5	58.2 58.5	58.2 58.5	58.2 58.5	58.2 58.5	58.2 58.5
IV 14000 12000	56.4 57.9	59.0 60.5	59.3 60.8	59.3 60.9	59.4 60.9	59.4 60.9	59.4 60.9	59.4 60.9	59.4 60.9	59.4 60.9	59.4 60.9	59.4 60.9	59.4 60.9	59.4 60.9	59.4 60.9	59.4 60.9
IV 10000 9000	59.3 60.1	62.0 62.8	62.4 63.1	62.4 63.2	62.4 63.2	62.4 63.2	62.4 63.2	62.4 63.2	62.4 63.2	62.4 63.2	62.4 63.2	62.4 63.2	62.4 63.2	62.4 63.2	62.4 63.2	62.4 63.2
IV 8000 7000	62.6 62.8	65.5 67.2	65.9 67.8	66.0 67.6	66.1 67.7	66.1 67.7	66.1 67.7	66.1 67.7	66.1 67.7	66.1 67.7	66.1 67.7	66.1 67.7	66.1 67.7	66.1 67.7	66.1 67.7	66.1 67.7
IV 6000 5000	64.9 66.8	68.6 71.0	69.1 71.5	69.1 71.5	69.3 71.7	69.3 71.7	69.3 71.7	69.3 71.7	69.3 71.7	69.3 71.7	69.3 71.7	69.3 71.7	69.3 71.7	69.3 71.7	69.3 71.7	69.3 71.7
IV 4500 4000	68.2 70.9	72.4 75.9	72.9 76.6	73.0 76.8	73.2 77.0	73.2 77.0	73.2 77.0	73.2 77.0	73.2 77.0	73.2 77.0	73.2 77.0	73.2 77.0	73.2 77.0	73.2 77.0	73.2 77.0	73.2 77.0
IV 3500 3000	73.3 76.2	78.8 82.3	79.5 83.2	79.8 83.5	80.0 83.9	80.1 84.0	80.1 84.1	80.1 84.1	80.1 84.1	80.1 84.1	80.1 84.1	80.1 84.1	80.1 84.1	80.1 84.1	80.1 84.1	80.1 84.1
IV 2500 2000	78.3 80.1	84.8 87.4	85.9 88.4	86.1 88.8	86.6 89.3	86.7 89.3	86.7 89.5	86.7 89.5	86.7 89.5	86.7 89.5	86.7 89.5	86.7 89.5	86.7 89.5	86.7 89.5	86.7 89.5	86.7 89.5
IV 1800 1500	80.5 81.2	88.2 89.7	89.4 90.9	89.7 91.4	90.2 92.1	90.3 92.1	90.4 92.2	90.4 92.3	90.4 92.3	90.5 92.4	90.5 92.4	90.5 92.4	90.5 92.4	90.5 92.4	90.5 92.4	90.5 92.4
IV 1200 1000	81.7 82.1	90.9 91.9	92.2 93.4	92.9 94.2	93.6 95.0	93.7 95.1	93.8 95.2	93.9 95.4	93.9 95.4	93.9 95.4	93.9 95.4	93.9 95.4	93.9 95.4	93.9 95.4	93.9 95.4	93.9 95.4
IV 900 800	82.2 82.4	92.1 92.6	93.7 94.3	94.7 95.5	95.3 96.6	95.5 96.7	95.7 97.0	95.9 97.2	95.9 97.2	96.0 97.3	96.0 97.4	96.0 97.4	96.0 97.4	96.0 97.4	96.0 97.4	96.0 97.4
IV 700 600	82.4 82.5	92.7 92.8	94.7 94.7	95.9 96.0	97.1 97.4	97.2 97.5	97.6 97.7	98.0 98.2	98.0 98.7	98.2 99.2	98.3 99.3	98.3 99.3	98.3 99.3	98.3 99.3	98.3 99.3	98.3 99.3
IV 500 400	82.5 82.5	92.8 92.8	94.7 94.7	96.1 96.1	97.5 97.6	97.7 97.7	98.2 98.3	98.7 98.8	98.7 98.9	99.2 99.5	99.3 99.7	99.3 99.7	99.3 99.7	99.3 99.7	99.3 99.7	99.3 99.7
IV 300 200	82.5 82.5	92.8 92.8	94.7 94.7	96.1 96.1	97.6 97.6	97.8 97.8	98.4 98.4	98.9 98.9	99.0 99.0	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.8	100.0 100.0	100.0 100.0	100.0 100.0
IV 100 0	82.5 82.5	92.8 92.8	94.7 94.7	96.1 96.1	97.6 97.6	97.8 97.8	98.4 98.4	98.9 98.9	99.0 99.0	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.8	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 2396

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-72  
YEAR

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1400-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.8	49.9	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000	59.6	62.8	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 18000	59.9	63.1	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 16000	60.2	63.3	63.8	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 14000	60.8	64.0	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 12000	61.8	65.0	65.4	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 10000	63.9	67.4	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 9000	64.6	68.1	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 8000	66.8	70.8	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 7000	67.7	72.0	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 6000	69.1	73.8	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 5000	71.5	76.5	77.1	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 4500	72.4	77.5	78.2	78.4	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 4000	74.3	79.9	80.8	81.0	81.3	81.4	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 3500	75.7	81.8	82.8	83.1	83.3	83.4	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 3000	77.6	84.7	85.9	86.3	86.6	86.7	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 2500	78.9	86.7	88.0	88.5	88.9	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 2000	80.0	89.0	90.5	91.1	91.5	91.6	91.8	91.8	91.8	91.9	91.9	91.9	91.9	92.0	92.0	92.0
IV 1800	80.1	89.3	91.0	91.7	92.1	92.2	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 1500	80.4	90.0	91.8	92.6	93.1	93.2	93.4	93.4	93.4	93.5	93.5	93.5	93.6	93.6	93.6	93.6
IV 1200	80.8	91.0	92.9	94.0	94.5	94.6	94.8	94.8	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0
IV 1000	80.9	91.9	94.0	95.2	95.8	95.9	96.1	96.1	96.1	96.2	96.3	96.3	96.4	96.4	96.4	96.4
IV 900	80.9	92.2	94.4	95.8	96.5	96.7	97.0	97.0	97.0	97.2	97.2	97.2	97.3	97.3	97.3	97.3
IV 800	80.9	92.4	94.7	96.2	97.1	97.4	97.9	97.9	97.9	98.1	98.2	98.2	98.3	98.3	98.3	98.3
IV 700	80.9	92.5	94.9	96.5	97.4	97.8	98.3	98.4	98.5	98.7	98.8	98.9	99.0	99.0	99.0	99.0
IV 600	80.9	92.5	95.0	96.6	97.6	98.0	98.7	98.9	99.0	99.3	99.5	99.5	99.6	99.7	99.7	99.7
IV 500	80.9	92.5	95.0	96.7	97.7	98.1	98.9	99.0	99.1	99.5	99.7	99.7	99.8	99.8	99.8	99.8
IV 400	80.9	92.5	95.0	96.7	97.7	98.1	98.9	99.1	99.1	99.6	99.8	99.8	99.8	100.0	100.0	100.0
IV 300	80.9	92.5	95.0	96.7	97.7	98.1	98.9	99.1	99.1	99.6	99.8	99.8	99.8	100.0	100.0	100.0
IV 200	80.9	92.5	95.0	96.7	97.7	98.1	98.9	99.1	99.1	99.6	99.8	99.8	99.8	100.0	100.0	100.0
IV 100	80.9	92.5	95.0	96.7	97.7	98.1	98.9	99.1	99.1	99.6	99.8	99.8	99.8	100.0	100.0	100.0
IV 0	80.9	92.5	95.0	96.7	97.7	98.1	98.9	99.1	99.1	99.6	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2288

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STAT ON NAME

39-45, 48-50, 57-72  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	56.0	59.1	59.2	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.6
IV 20000	64.2	67.8	68.0	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.4
IV 18000	64.2	67.9	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4
IV 16000	64.2	67.9	68.1	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5
IV 14000	65.0	68.6	68.9	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2
IV 12000	65.5	69.4	69.6	69.7	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.0	70.0
IV 10000	67.5	71.9	72.1	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4
IV 9000	68.0	72.4	72.6	72.8	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.1	73.1
IV 8000	70.0	74.8	75.1	75.2	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.6	75.6
IV 7000	71.4	76.4	76.7	76.9	77.0	77.0	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.3	77.3
IV 6000	73.0	78.3	78.7	78.8	78.9	78.9	79.1	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2
IV 5000	74.6	80.2	80.7	80.9	81.0	81.0	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.4	81.4	81.4
IV 4500	75.4	81.4	81.9	82.1	82.3	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6
IV 4000	76.7	83.2	83.8	83.9	84.2	84.3	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.7	84.7	84.7
IV 3500	77.8	84.7	85.2	85.4	85.7	85.8	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1
IV 3000	78.8	86.5	87.2	87.5	87.8	88.0	88.1	88.1	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.3
IV 2500	79.6	87.8	88.6	89.1	89.4	89.5	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8
IV 2000	80.8	89.4	90.5	91.1	91.4	91.6	91.7	91.7	91.7	91.8	91.8	91.8	91.9	91.9	91.9	91.9
IV 1800	81.0	89.8	90.8	91.4	91.8	91.9	92.1	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.3	92.3
IV 1500	81.5	91.0	92.0	92.7	93.2	93.3	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.7	93.7
IV 1200	81.9	92.4	93.8	94.6	95.2	95.3	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.7	95.7
IV 1000	82.3	93.1	94.7	95.7	96.4	96.6	96.8	96.9	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1
IV 900	82.4	93.5	95.3	96.4	97.3	97.4	97.8	97.9	97.9	98.0	98.1	98.1	98.1	98.1	98.2	98.2
IV 800	82.4	93.6	95.4	96.7	97.8	97.9	98.3	98.3	98.3	98.5	98.5	98.5	98.6	98.6	98.6	98.6
IV 700	82.4	93.7	95.5	96.9	97.9	98.1	98.5	98.6	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9
IV 600	82.4	93.8	95.6	97.0	98.2	98.3	98.9	99.0	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3
IV 500	82.4	93.8	95.6	97.0	98.2	98.5	99.0	99.1	99.1	99.4	99.4	99.4	99.6	99.6	99.7	99.7
IV 400	82.4	93.8	95.6	97.1	98.3	98.5	99.2	99.3	99.3	99.5	99.7	99.7	99.8	99.8	99.8	99.8
IV 300	82.4	93.8	95.6	97.1	98.3	98.5	99.2	99.3	99.3	99.5	99.7	99.7	99.8	99.8	99.9	99.9
IV 200	82.4	93.8	95.6	97.1	98.3	98.5	99.2	99.3	99.3	99.5	99.7	99.7	99.8	99.8	99.9	99.9
IV 100	82.4	93.8	95.6	97.1	98.3	98.6	99.2	99.3	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0
IV 0	82.4	93.8	95.6	97.1	98.3	98.6	99.2	99.3	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2274



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,48-50,57-71  
YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	55.6	58.6	59.1	59.6	59.7	59.7	60.1	60.1	60.1	60.3	60.4	60.4	60.5	60.5	60.5	60.6
≥ 20000	64.0	67.6	68.1	68.6	68.8	68.8	69.2	69.2	69.2	69.4	69.5	69.5	69.6	69.6	69.6	69.6
IV 18000	64.0	67.6	68.1	68.6	68.8	68.8	69.2	69.2	69.2	69.4	69.5	69.5	69.6	69.6	69.6	69.6
IV 16000	64.0	67.6	68.1	68.6	68.8	68.8	69.2	69.2	69.2	69.4	69.5	69.5	69.6	69.6	69.6	69.6
IV 14000	64.8	68.4	68.9	69.4	69.6	69.6	70.0	70.0	70.0	70.2	70.3	70.3	70.4	70.4	70.4	70.4
IV 12000	65.6	69.3	69.8	70.3	70.4	70.4	70.8	70.8	70.8	71.1	71.2	71.2	71.3	71.3	71.3	71.3
IV 10000	67.1	71.1	71.5	72.1	72.2	72.2	72.6	72.6	72.6	72.8	72.9	72.9	73.0	73.0	73.0	73.1
IV 9000	67.6	71.9	72.4	72.9	73.1	73.1	73.5	73.5	73.5	73.7	73.9	73.9	74.0	74.0	74.0	74.0
IV 8000	69.5	74.1	74.7	75.3	75.5	75.5	75.8	75.8	75.8	76.1	76.2	76.2	76.3	76.3	76.3	76.3
IV 7000	70.6	75.7	76.2	76.7	77.0	77.0	77.4	77.4	77.4	77.6	77.7	77.7	77.8	77.8	77.8	77.9
IV 6000	71.8	77.3	78.1	78.6	78.8	78.8	79.2	79.2	79.2	79.5	79.6	79.6	79.7	79.7	79.7	79.7
IV 5000	74.0	80.3	81.2	81.9	82.1	82.1	82.4	82.4	82.4	82.7	82.8	82.8	82.9	82.9	82.9	83.0
IV 4500	74.9	81.6	82.5	83.2	83.4	83.4	83.8	83.8	83.8	84.0	84.2	84.2	84.2	84.2	84.2	84.3
IV 4000	76.2	83.8	84.8	85.7	85.9	85.9	86.4	86.4	86.4	86.6	86.8	86.8	86.8	86.8	86.8	86.9
IV 3500	76.7	84.6	85.6	86.7	86.9	86.9	87.3	87.3	87.3	87.6	87.7	87.7	87.8	87.8	87.8	87.9
IV 3000	77.7	86.5	87.7	88.8	89.0	89.0	89.5	89.5	89.5	89.7	89.9	89.9	90.0	90.0	90.0	90.0
IV 2500	78.8	87.9	89.0	90.2	90.5	90.5	91.0	91.0	91.0	91.2	91.4	91.4	91.5	91.5	91.5	91.5
IV 2000	79.9	89.5	90.7	91.9	92.2	92.2	92.7	92.7	92.7	93.0	93.1	93.1	93.2	93.2	93.2	93.2
IV 1800	80.1	90.0	91.2	92.3	92.7	92.7	93.2	93.2	93.2	93.5	93.6	93.6	93.7	93.7	93.7	93.8
IV 1500	80.6	90.8	92.1	93.4	93.8	93.8	94.2	94.2	94.2	94.5	94.7	94.7	94.8	94.8	94.8	94.8
IV 1200	81.1	91.7	93.0	94.5	94.9	94.9	95.3	95.3	95.3	95.6	95.8	95.8	95.9	95.9	95.9	95.9
IV 1000	81.2	92.0	93.4	94.8	95.2	95.2	95.7	95.7	95.7	96.0	96.2	96.2	96.3	96.3	96.3	96.3
IV 900	81.3	92.3	93.7	95.2	95.6	95.6	96.1	96.1	96.1	96.5	96.7	96.7	96.7	96.7	96.7	96.8
IV 800	81.5	92.7	94.2	96.0	96.5	96.5	97.1	97.1	97.1	97.5	97.7	97.7	97.8	97.8	97.8	97.8
IV 700	81.6	93.0	94.7	96.5	97.1	97.1	97.7	97.7	97.7	98.1	98.3	98.3	98.4	98.4	98.4	98.4
IV 600	81.7	93.1	94.9	96.8	97.4	97.4	98.2	98.2	98.2	98.7	98.9	98.9	99.0	99.0	99.0	99.0
IV 500	81.7	93.3	95.1	97.1	97.7	97.7	98.6	98.6	98.6	99.0	99.3	99.3	99.3	99.3	99.3	99.4
IV 400	81.8	93.4	95.3	97.3	98.1	98.2	99.0	99.1	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.8
IV 300	81.8	93.4	95.3	97.3	98.1	98.2	99.0	99.1	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.8
IV 200	81.8	93.4	95.3	97.3	98.1	98.2	99.0	99.1	99.1	99.5	99.7	99.7	99.8	99.8	99.8	99.8
IV 100	81.8	93.4	95.3	97.3	98.1	98.2	99.0	99.1	99.1	99.5	99.7	99.7	99.8	99.8	99.8	99.8
IV 0	81.8	93.4	95.3	97.3	98.1	98.2	99.0	99.1	99.1	99.5	99.7	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2273

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FURY RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-72  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.8	50.4	51.3	52.0	52.4	52.5	52.9	53.1	53.1	53.8	53.9	54.0	54.3	54.3	54.4	54.8
≥ 20000	55.0	59.7	60.7	61.6	62.1	62.1	62.6	62.8	62.9	63.5	63.7	63.8	64.1	64.1	64.2	64.6
IV 18000	55.1	59.8	60.8	61.6	62.2	62.2	62.6	62.9	62.9	63.6	63.8	63.9	64.2	64.2	64.2	64.7
IV 16000	55.1	59.8	60.8	61.6	62.2	62.2	62.6	62.9	62.9	63.6	63.8	63.9	64.2	64.2	64.2	64.7
IV 14000	55.6	60.4	61.4	62.3	62.8	62.8	63.2	63.5	63.5	64.2	64.4	64.5	64.8	64.8	64.8	65.3
IV 12000	56.6	61.5	62.5	63.3	63.9	63.9	64.3	64.6	64.6	65.3	65.5	65.5	65.9	65.9	65.9	66.4
IV 10000	58.2	63.2	64.2	65.1	65.6	65.6	66.1	66.3	66.4	67.0	67.2	67.3	67.6	67.6	67.7	68.1
IV 9000	59.0	64.1	65.3	66.1	66.7	66.7	67.2	67.4	67.5	68.1	68.4	68.4	68.7	68.7	68.8	69.2
IV 8000	60.9	66.5	67.8	68.7	69.3	69.3	69.9	70.2	70.2	70.9	71.1	71.1	71.5	71.5	71.5	71.9
IV 7000	62.6	68.7	70.0	70.9	71.5	71.5	72.1	72.4	72.4	73.1	73.3	73.3	73.7	73.7	73.7	74.2
IV 6000	64.4	70.7	72.1	73.1	73.6	73.7	74.4	74.6	74.7	75.3	75.5	75.6	75.9	75.9	76.0	76.4
IV 5000	66.8	74.0	75.5	76.6	77.2	77.3	77.9	78.2	78.3	78.9	79.1	79.2	79.5	79.5	79.6	80.0
IV 4500	67.4	75.0	76.5	77.7	78.3	78.4	79.0	79.3	79.4	80.0	80.2	80.3	80.6	80.6	80.6	81.1
IV 4000	68.7	76.7	78.4	79.8	80.4	80.5	81.1	81.4	81.5	82.1	82.3	82.4	82.7	82.7	82.8	83.2
IV 3500	69.4	77.7	79.4	80.8	81.4	81.6	82.3	82.6	82.6	83.2	83.5	83.5	83.9	83.9	83.9	84.3
IV 3000	70.5	79.5	81.5	82.9	83.5	83.7	84.4	84.7	84.7	85.4	85.6	85.6	86.0	86.0	86.0	86.5
IV 2500	71.6	80.8	82.8	84.4	85.1	85.2	85.9	86.2	86.2	86.9	87.1	87.1	87.5	87.5	87.5	88.0
IV 2000	72.9	82.8	84.9	86.5	87.3	87.5	88.1	88.4	88.5	89.1	89.4	89.4	89.7	89.7	89.8	90.2
IV 1800	73.2	83.3	85.5	87.1	87.9	88.1	88.7	89.0	89.0	89.7	89.9	90.0	90.3	90.3	90.3	90.8
IV 1500	73.9	84.6	86.9	88.5	89.3	89.5	90.1	90.4	90.5	91.1	91.3	91.4	91.7	91.7	91.8	92.2
IV 1200	74.5	85.9	88.3	90.0	90.8	91.0	91.6	91.9	92.0	92.6	92.9	92.9	93.2	93.2	93.3	93.7
IV 1000	75.2	87.1	89.6	91.3	92.3	92.5	93.1	93.4	93.5	94.2	94.4	94.5	94.8	94.8	94.8	95.3
IV 900	75.4	87.7	90.2	91.9	93.0	93.2	93.9	94.2	94.2	94.9	95.2	95.2	95.5	95.5	95.6	96.0
IV 800	75.4	87.8	90.5	92.6	93.7	93.9	94.6	94.9	95.0	95.7	96.0	96.0	96.4	96.4	96.4	96.8
IV 700	75.5	88.1	91.0	93.1	94.2	94.5	95.4	95.7	95.8	96.5	96.7	96.8	97.1	97.1	97.1	97.6
IV 600	75.5	88.2	91.2	93.3	94.6	94.8	95.8	96.2	96.3	97.0	97.3	97.3	97.7	97.7	97.7	98.1
IV 500	75.6	88.4	91.5	93.7	95.1	95.4	96.4	96.8	96.9	97.7	98.0	98.0	98.4	98.4	98.4	98.9
IV 400	75.7	88.5	91.6	93.8	95.3	95.6	96.7	97.1	97.2	98.1	98.4	98.4	98.7	98.7	98.8	99.3
IV 300	75.7	88.5	91.6	93.8	95.3	95.6	96.7	97.1	97.2	98.1	98.4	98.5	98.8	98.8	98.9	99.4
IV 200	75.7	88.5	91.6	93.8	95.3	95.6	96.7	97.1	97.2	98.1	98.4	98.5	98.9	98.9	99.0	99.5
IV 100	75.7	88.5	91.6	93.8	95.3	95.6	96.7	97.1	97.2	98.1	98.4	98.5	98.9	98.9	99.0	99.5
IV 0	75.7	88.6	91.7	93.9	95.3	95.7	96.7	97.1	97.2	98.2	98.5	98.6	99.0	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 2310

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (ST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.1	45.9	46.8	47.3	47.4	47.4	47.8	47.9	47.9	48.1	48.1	48.1	48.1	48.2	48.3	48.4
≥ 20000	50.3	56.6	57.8	58.4	58.6	58.7	59.0	59.1	59.1	59.3	59.3	59.3	59.4	59.4	59.5	59.7
IV 18000	50.4	56.8	58.0	58.5	58.8	58.9	59.2	59.3	59.3	59.5	59.5	59.5	59.6	59.6	59.7	59.9
IV 16000	50.6	57.0	58.2	58.7	59.0	59.1	59.4	59.5	59.5	59.7	59.7	59.7	59.8	59.8	59.9	60.1
IV 14000	50.7	57.3	58.5	59.0	59.3	59.3	59.7	59.9	59.9	60.0	60.1	60.1	60.1	60.1	60.3	60.4
IV 12000	52.4	59.2	60.3	60.9	61.2	61.2	61.6	61.8	61.8	61.9	62.0	62.0	62.0	62.0	62.2	62.4
IV 10000	54.2	61.7	63.1	63.6	63.9	64.0	64.4	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.8	65.1
IV 9000	54.8	62.4	64.0	64.6	64.9	64.9	65.3	65.4	65.4	65.6	65.6	65.6	65.6	65.7	65.8	66.0
IV 8000	56.8	64.9	66.6	67.1	67.4	67.5	68.0	68.1	68.1	68.3	68.3	68.3	68.4	68.4	68.5	68.7
IV 7000	58.9	67.6	69.3	69.9	70.3	70.4	70.9	71.1	71.1	71.2	71.3	71.3	71.3	71.3	71.5	71.7
IV 6000	61.0	70.0	71.9	72.5	73.0	73.1	73.6	73.7	73.7	73.9	73.9	73.9	74.0	74.0	74.1	74.3
IV 5000	63.0	72.9	74.9	75.5	76.0	76.1	76.7	76.8	76.8	77.0	77.0	77.0	77.1	77.1	77.2	77.4
IV 4500	63.6	73.7	75.8	76.4	76.9	77.0	77.6	77.7	77.7	77.9	77.9	77.9	78.0	78.0	78.1	78.3
IV 4000	64.9	75.7	77.9	78.6	79.3	79.4	80.0	80.1	80.1	80.3	80.3	80.3	80.4	80.4	80.5	80.7
IV 3500	65.7	76.7	78.9	79.6	80.3	80.4	81.0	81.1	81.1	81.3	81.3	81.3	81.4	81.4	81.5	81.7
IV 3000	66.8	78.3	80.6	81.4	82.1	82.2	82.9	83.0	83.0	83.1	83.2	83.2	83.2	83.3	83.4	83.6
IV 2500	67.7	79.8	82.3	83.2	84.0	84.1	84.7	84.8	84.9	85.0	85.1	85.1	85.1	85.1	85.3	85.5
IV 2000	69.1	81.5	84.2	85.2	86.0	86.1	86.8	86.9	87.0	87.2	87.2	87.2	87.2	87.3	87.4	87.6
IV 1800	69.2	81.8	84.5	85.5	86.4	86.5	87.2	87.3	87.4	87.6	87.6	87.6	87.6	87.7	87.8	88.0
IV 1500	70.2	83.2	86.0	87.3	88.5	88.6	89.3	89.5	89.5	89.7	89.8	89.8	89.8	89.9	90.0	90.2
IV 1200	71.0	84.5	87.3	88.9	90.2	90.3	91.1	91.2	91.3	91.5	91.6	91.6	91.7	91.7	91.8	92.0
IV 1000	71.4	85.5	88.6	90.3	91.7	91.9	92.8	93.0	93.0	93.3	93.4	93.4	93.4	93.5	93.6	93.8
IV 900	71.5	86.0	89.3	91.1	92.6	92.8	93.9	94.0	94.0	94.3	94.4	94.4	94.5	94.5	94.6	94.8
IV 800	71.6	86.4	89.9	92.1	93.7	94.0	95.1	95.3	95.3	95.7	95.8	95.8	95.9	95.9	96.0	96.2
IV 700	71.8	86.7	90.4	92.7	94.6	95.0	96.1	96.3	96.3	96.7	96.8	96.9	96.9	96.9	97.1	97.3
IV 600	71.8	86.9	90.7	93.1	95.2	95.5	96.7	96.9	96.9	97.5	97.6	97.6	97.7	97.7	97.8	98.0
IV 500	71.8	87.2	91.0	93.6	95.7	96.1	97.4	97.7	97.7	98.4	98.6	98.6	98.8	98.8	98.9	99.1
IV 400	71.8	87.2	91.1	93.6	95.8	96.2	97.5	97.9	97.9	98.6	98.8	98.8	98.9	99.0	99.1	99.3
IV 300	71.8	87.2	91.1	93.6	95.8	96.2	97.6	97.9	97.9	98.6	99.0	99.0	99.2	99.2	99.4	99.7
IV 200	71.8	87.2	91.1	93.6	95.8	96.2	97.6	97.9	97.9	98.6	99.0	99.0	99.2	99.2	99.4	99.7
IV 100	71.8	87.2	91.1	93.6	95.8	96.2	97.6	97.9	97.9	98.6	99.0	99.0	99.2	99.2	99.4	99.8
IV 0	71.8	87.2	91.1	93.6	95.8	96.3	97.6	97.9	98.0	98.7	99.0	99.1	99.2	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2484

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 0
NO CEILING	46.2	47.9	48.1	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 20000	56.1	58.6	58.8	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 18000	56.1	58.7	58.8	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 16000	56.4	58.9	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4
IV 14000	56.8	59.4	59.5	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 12000	58.4	61.1	61.2	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 10000	60.1	63.2	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7
IV 9000	61.0	64.2	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 8000	63.2	66.8	67.1	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 7000	65.2	69.1	69.6	69.6	69.8	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 6000	66.6	71.0	71.5	71.6	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 5000	68.4	73.6	74.2	74.4	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4500	69.1	74.4	75.1	75.2	75.5	75.5	75.5	75.5	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7
IV 4000	70.9	76.4	77.1	77.3	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3500	72.0	77.9	78.7	78.9	79.3	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 3000	73.8	80.3	81.1	81.3	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9
IV 2500	74.9	81.8	82.8	83.1	83.5	83.5	83.5	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 2000	77.6	85.1	86.4	86.8	87.3	87.3	87.3	87.3	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6
IV 1800	77.8	85.5	86.7	87.2	87.6	87.6	87.6	87.6	87.7	87.9	87.9	88.0	88.0	88.0	88.0	88.0
IV 1500	78.9	87.5	88.9	89.7	90.2	90.2	90.2	90.2	90.3	90.4	90.4	90.5	90.5	90.5	90.5	90.5
IV 1200	79.7	89.6	91.1	92.1	92.6	92.7	92.7	92.7	92.8	93.0	93.0	93.1	93.1	93.1	93.1	93.1
IV 1000	80.4	91.0	92.8	94.0	94.7	94.8	94.8	94.8	95.0	95.2	95.2	95.3	95.3	95.3	95.3	95.3
IV 900	80.5	91.4	93.3	94.7	95.5	95.7	95.7	95.7	95.9	96.1	96.1	96.2	96.2	96.2	96.2	96.2
IV 800	80.6	92.0	94.0	95.6	96.6	96.8	96.8	96.8	97.1	97.3	97.3	97.5	97.5	97.5	97.5	97.5
IV 700	80.7	92.3	94.3	96.0	97.2	97.4	97.4	97.4	97.8	98.0	98.0	98.3	98.3	98.3	98.3	98.3
IV 600	80.8	92.4	94.4	96.2	97.5	97.7	97.7	97.7	98.2	98.4	98.4	98.9	98.9	98.9	98.9	98.9
IV 500	80.9	92.6	94.6	96.5	97.9	98.2	98.2	98.2	98.8	99.0	99.0	99.6	99.6	99.6	99.6	99.6
IV 400	80.9	92.7	94.7	96.6	98.0	98.2	98.2	98.2	99.0	99.3	99.3	99.8	99.9	99.9	99.9	99.9
IV 300	80.9	92.7	94.7	96.6	98.0	98.2	98.2	98.2	99.0	99.3	99.3	99.9	99.9	99.9	100.0	100.0
IV 200	80.9	92.7	94.7	96.6	98.0	98.2	98.2	98.2	99.0	99.3	99.3	99.9	99.9	99.9	100.0	100.0
IV 100	80.9	92.7	94.7	96.6	98.0	98.2	98.2	98.2	99.0	99.3	99.3	99.9	99.9	99.9	100.0	100.0
IV 0	80.9	92.7	94.7	96.6	98.0	98.2	98.2	98.2	99.0	99.3	99.3	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2497

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1	≥ 0
NO CEILING	44.1	45.2	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 20000	55.4	57.3	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 18000	55.4	57.4	57.5	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 16000	55.4	57.4	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 14000	56.0	58.1	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 12000	57.5	59.7	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 10000	59.9	62.2	62.3	62.3	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 9000	60.7	63.1	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 8000	62.5	65.1	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 7000	64.0	66.7	67.0	67.0	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 6000	65.2	68.0	68.2	68.2	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 5000	67.6	70.6	70.8	70.9	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 4500	68.5	71.6	71.9	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4
IV 4000	73.2	76.6	76.9	77.0	77.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 3500	75.3	79.0	79.3	79.4	79.6	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 3000	78.4	82.7	83.1	83.3	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.7	83.7	83.7
IV 2500	80.9	86.1	86.5	86.8	87.0	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 2000	83.3	89.3	89.8	90.2	90.6	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 1800	83.7	90.1	90.6	91.1	91.4	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1500	84.8	92.3	92.8	93.3	94.0	94.1	94.2	94.2	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4
IV 1200	85.4	93.7	94.4	95.2	95.8	95.9	96.0	96.1	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3
IV 1000	85.6	94.4	95.4	96.2	96.9	97.1	97.3	97.3	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5
IV 900	85.7	94.7	95.7	96.6	97.3	97.5	97.7	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0
IV 800	85.7	94.8	95.8	96.9	97.7	98.0	98.3	98.5	98.5	98.5	98.7	98.7	98.7	98.8	98.8	98.8
IV 700	85.7	94.9	95.9	97.0	98.0	98.3	98.7	98.9	98.9	98.9	99.2	99.2	99.2	99.3	99.3	99.3
IV 600	85.7	95.0	96.0	97.1	98.3	98.5	99.1	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	85.8	95.0	96.1	97.3	98.4	98.6	99.2	99.4	99.4	99.4	99.8	99.8	99.8	99.9	99.9	99.9
IV 400	85.8	95.0	96.1	97.3	98.4	98.6	99.2	99.5	99.5	99.5	99.9	99.9	99.9	100.0	100.0	100.0
IV 300	85.8	95.0	96.1	97.3	98.4	98.6	99.2	99.5	99.5	99.5	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	85.8	95.0	96.1	97.3	98.4	98.6	99.2	99.5	99.5	99.5	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	85.8	95.0	96.1	97.3	98.4	98.6	99.2	99.5	99.5	99.5	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	85.8	95.0	96.1	97.3	98.4	98.6	99.2	99.5	99.5	99.5	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2480

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	47.2 60.4	48.3 62.1	48.4 62.2	48.6 62.4	48.6 62.4	48.6 62.4	48.6 62.4	48.6 62.4	48.6 62.4	48.6 62.4	48.6 62.4	48.6 62.4	48.6 62.4	48.6 62.4	48.6 62.4	48.6 62.4
IV 18000 IV 16000	60.5 60.6	62.2 62.3	62.3 62.4	62.5 62.6	62.6 62.6	62.6 62.6	62.6 62.6	62.6 62.6	62.6 62.6	62.6 62.6	62.6 62.6	62.6 62.6	62.6 62.6	62.6 62.6	62.6 62.6	62.6 62.6
IV 14000 IV 12000	61.4 62.3	63.1 64.1	63.2 64.2	63.4 64.4	63.5 64.5	63.5 64.5	63.5 64.5	63.5 64.5	63.5 64.5	63.5 64.5	63.5 64.5	63.5 64.5	63.5 64.5	63.5 64.5	63.5 64.5	63.5 64.5
IV 10000 IV 9000	64.5 65.3	66.5 67.3	66.6 67.4	66.8 67.6	66.8 67.7	66.8 67.7	66.8 67.7	66.8 67.7	66.8 67.7	66.8 67.7	66.8 67.7	66.8 67.7	66.8 67.7	66.8 67.7	66.8 67.7	66.8 67.7
IV 8000 IV 7000	67.1 68.9	69.2 71.2	69.5 71.5	69.7 71.7	69.7 71.7	69.7 71.7	69.7 71.7	69.7 71.7	69.7 71.7	69.7 71.7	69.7 71.7	69.7 71.7	69.7 71.7	69.7 71.7	69.7 71.7	69.7 71.7
IV 6000 IV 5000	70.2 72.6	72.7 75.2	73.0 75.5	73.2 75.7	73.2 75.7	73.2 75.7	73.2 75.7	73.2 75.7	73.2 75.7	73.2 75.7	73.2 75.7	73.2 75.7	73.2 75.7	73.2 75.7	73.2 75.7	73.2 75.7
IV 4500 IV 4000	73.7 77.6	74.8 81.2	77.1 81.5	77.3 81.7	77.3 81.8	77.3 81.8	77.3 81.8	77.3 81.8	77.3 81.8	77.3 81.8	77.3 81.8	77.3 81.8	77.3 81.8	77.3 81.8	77.3 81.8	77.3 81.8
IV 3500 IV 3000	78.8 82.7	82.6 87.0	82.9 87.6	83.2 88.0	83.2 88.0	83.2 88.0	83.2 88.0	83.2 88.0	83.2 88.0	83.2 88.0	83.2 88.0	83.2 88.0	83.2 88.0	83.2 88.0	83.2 88.0	83.2 88.0
IV 2500 IV 2000	84.9 86.1	89.9 91.9	90.7 92.8	91.1 93.2	91.2 93.4	91.2 93.4	91.2 93.4	91.2 93.4	91.2 93.4	91.2 93.4	91.2 93.4	91.2 93.4	91.2 93.4	91.2 93.4	91.2 93.4	91.2 93.4
IV 1800 IV 1500	86.4 87.2	92.5 93.8	93.4 94.8	93.8 95.4	94.1 95.8	94.1 95.8	94.1 95.8	94.1 95.8	94.1 95.8	94.1 95.8	94.1 95.8	94.1 95.8	94.1 95.8	94.1 95.8	94.1 95.8	94.1 95.8
IV 1200 IV 1000	87.4 87.5	94.6 94.8	95.8 96.0	96.4 96.8	96.9 97.4	96.9 97.4	96.9 97.4	96.9 97.4	96.9 97.4	96.9 97.4	96.9 97.4	96.9 97.4	96.9 97.4	96.9 97.4	96.9 97.4	96.9 97.4
IV 900 IV 800	87.5 87.6	95.1 95.2	96.5 96.6	97.3 97.7	97.9 98.4	98.0 98.4	98.0 98.4	98.0 98.4	98.0 98.4	98.0 98.4	98.0 98.4	98.0 98.4	98.0 98.4	98.0 98.4	98.0 98.4	98.0 98.4
IV 700 IV 600	87.6 87.6	95.3 95.3	96.7 96.7	97.8 97.9	98.7 98.8	98.8 98.9	98.8 98.9	98.8 98.9	98.8 98.9	98.8 98.9	98.8 98.9	98.8 98.9	98.8 98.9	98.8 98.9	98.8 98.9	98.8 98.9
IV 500 IV 400	87.6 87.6	95.4 95.4	96.8 96.8	97.9 97.9	98.9 98.9	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1
IV 300 IV 200	87.6 87.6	95.4 95.4	96.8 96.8	97.9 97.9	98.9 98.9	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1
IV 100 IV 0	87.6 87.6	95.4 95.4	96.8 96.8	97.9 97.9	98.9 98.9	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1

TOTAL NUMBER OF OBSERVATIONS 2430

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-72  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.5	52.8	52.9	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
IV 20000	64.8	66.9	67.0	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 18000	65.0	67.1	67.3	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 16000	65.2	67.3	67.5	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 14000	65.6	67.8	67.9	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 12000	66.7	68.9	69.0	69.1	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 10000	68.6	71.1	71.2	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 9000	69.3	71.8	71.9	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 8000	71.4	74.4	74.5	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 7000	73.8	77.1	77.3	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 6000	75.8	79.4	79.7	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 5000	77.8	81.8	82.1	82.4	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 4500	78.1	82.4	82.7	82.9	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 4000	80.6	85.5	85.9	86.1	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 3500	81.5	86.7	87.0	87.3	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 3000	83.7	89.6	90.0	90.5	90.8	90.8	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 2500	85.2	91.5	92.0	92.6	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 2000	85.9	92.7	93.2	93.9	94.4	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 1800	86.0	92.8	93.3	93.9	94.5	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1500	86.4	93.6	94.0	94.7	95.4	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1200	86.6	94.2	94.9	95.7	96.4	96.4	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1000	86.7	94.7	95.6	96.4	97.3	97.4	97.7	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 900	86.7	94.9	95.8	96.6	97.6	97.7	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	86.7	95.2	96.1	97.0	98.0	98.1	98.6	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	86.7	95.2	96.2	97.2	98.2	98.4	99.1	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	86.7	95.2	96.2	97.2	98.2	98.4	99.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	86.7	95.2	96.2	97.2	98.2	98.4	99.2	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	86.7	95.2	96.2	97.2	98.3	98.5	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0
IV 300	86.7	95.2	96.2	97.2	98.3	98.5	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0
IV 200	86.7	95.2	96.2	97.2	98.3	98.5	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0
IV 100	86.7	95.2	96.2	97.2	98.3	98.5	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0
IV 0	86.7	95.2	96.2	97.2	98.3	98.5	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2330

USAF ETAC

FORM  
JUL 64

0-14-5 (OLA)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-72  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	58.2	60.3	60.3	60.4	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 20000	66.2	69.0	69.0	69.1	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 18000	66.4	69.2	69.2	69.3	69.4	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 16000	66.6	69.3	69.4	69.4	69.5	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 14000	67.4	70.2	70.2	70.2	70.3	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 12000	68.8	71.6	71.6	71.7	71.8	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 10000	70.6	73.7	73.7	73.7	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 9000	71.0	74.3	74.3	74.4	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 8000	72.6	76.1	76.1	76.2	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 7000	74.8	78.7	78.8	78.8	78.9	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 6000	76.4	80.6	80.7	80.7	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 5000	78.5	83.6	83.7	83.8	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 4500	79.2	84.6	84.8	84.9	85.0	85.0	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 4000	81.0	87.7	88.0	88.1	88.2	88.2	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 3500	81.5	88.2	88.6	88.7	88.9	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 3000	82.4	89.8	90.4	90.7	90.8	90.8	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 2500	82.9	90.6	91.2	91.5	91.7	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2000	84.1	92.3	93.1	93.3	93.7	93.7	93.8	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1800	84.4	92.7	93.4	93.7	94.0	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1500	84.7	93.5	94.3	94.9	95.3	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1200	85.0	94.4	95.2	96.0	96.5	96.5	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1000	85.4	95.1	95.9	96.9	97.4	97.4	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 900	85.5	95.3	96.3	97.2	97.9	97.9	98.0	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	85.6	95.6	96.5	97.5	98.2	98.3	98.5	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 700	85.6	95.8	96.8	97.7	98.4	98.5	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	85.7	95.9	97.0	98.0	98.7	98.8	99.1	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	85.7	96.1	97.2	98.2	99.0	99.0	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	85.7	96.1	97.2	98.3	99.0	99.1	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	85.7	96.1	97.2	98.3	99.1	99.1	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	85.7	96.1	97.2	98.3	99.1	99.1	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	85.7	96.1	97.2	98.3	99.1	99.1	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	85.7	96.1	97.2	98.3	99.1	99.1	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2289



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,48-49,57-71  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	55.4	57.7	58.2	58.3	58.4	58.4	58.5	58.5	58.5	58.5	58.6	58.6	58.7	58.7	58.7	58.7
≥ 20000	65.9	68.8	69.3	69.5	69.6	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.9	69.9	69.9	69.9
IV 18000	65.9	68.8	69.3	69.5	69.6	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.9	69.9	69.9	69.9
IV 16000	66.2	69.1	69.7	69.8	69.9	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.2	70.2	70.2	70.3
IV 14000	66.6	69.4	70.0	70.2	70.3	70.3	70.4	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.6
IV 12000	68.0	71.0	71.6	71.8	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.2
IV 10000	70.4	73.6	74.2	74.4	74.5	74.5	74.6	74.6	74.6	74.6	74.7	74.7	74.8	74.8	74.8	74.8
IV 9000	71.2	74.4	75.1	75.3	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.6	75.7
IV 8000	73.3	77.0	77.8	78.0	78.3	78.3	78.4	78.4	78.4	78.4	78.5	78.5	78.6	78.6	78.6	78.6
IV 7000	74.7	78.6	79.4	79.6	79.9	79.9	80.0	80.0	80.0	80.0	80.1	80.1	80.2	80.2	80.2	80.2
IV 6000	75.9	80.1	81.0	81.2	81.5	81.5	81.6	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.9
IV 5000	77.7	82.6	83.7	83.9	84.2	84.2	84.4	84.4	84.4	84.4	84.5	84.5	84.6	84.6	84.6	84.6
IV 4500	78.2	83.3	84.5	84.9	85.2	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.5	85.6
IV 4000	79.7	85.6	87.0	87.5	88.0	88.1	88.3	88.3	88.4	88.4	88.4	88.4	88.5	88.5	88.5	88.5
IV 3500	80.7	87.1	88.5	89.0	89.6	89.7	89.9	89.9	89.9	89.9	90.0	90.0	90.1	90.1	90.1	90.1
IV 3000	81.9	88.8	90.3	90.8	91.4	91.5	91.7	91.8	91.8	91.8	91.9	91.9	92.0	92.0	92.0	92.1
IV 2500	82.4	89.7	91.2	91.8	92.4	92.5	92.7	92.8	92.8	92.8	92.8	92.8	92.9	92.9	92.9	93.0
IV 2000	82.9	90.8	92.4	93.0	93.7	93.8	94.1	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.4
IV 1800	83.1	91.3	92.9	93.6	94.3	94.4	94.7	94.7	94.7	94.8	94.8	94.8	94.9	94.9	94.9	95.0
IV 1600	83.3	91.9	93.5	94.2	95.1	95.2	95.6	95.6	95.6	95.8	95.8	95.8	95.9	95.9	95.9	96.0
IV 1400	83.6	92.3	94.1	94.8	95.8	95.9	96.3	96.3	96.3	96.5	96.5	96.5	96.6	96.6	96.6	96.7
IV 1200	84.0	92.8	94.6	95.3	96.4	96.5	96.9	97.0	97.0	97.1	97.2	97.2	97.3	97.3	97.3	97.4
IV 1000	84.2	93.0	94.8	95.5	96.6	96.7	97.2	97.3	97.3	97.5	97.5	97.5	97.6	97.6	97.6	97.8
IV 900	84.3	93.3	95.1	95.8	97.0	97.1	97.6	97.7	97.7	97.9	98.0	98.0	98.1	98.1	98.1	98.2
IV 800	84.4	93.4	95.2	95.9	97.1	97.2	97.8	97.9	97.9	98.1	98.2	98.2	98.3	98.3	98.3	98.5
IV 700	84.5	93.5	95.4	96.2	97.4	97.5	98.1	98.2	98.2	98.4	98.5	98.5	98.6	98.6	98.6	98.7
IV 600	84.6	93.7	95.7	96.5	97.8	97.8	98.6	98.7	98.7	98.9	99.1	99.1	99.2	99.2	99.2	99.3
IV 500	84.6	93.7	95.7	96.5	97.8	97.9	98.7	98.9	98.9	99.2	99.3	99.3	99.4	99.4	99.4	99.5
IV 400	84.6	93.7	95.7	96.5	97.8	97.9	98.7	98.9	98.9	99.2	99.3	99.3	99.4	99.4	99.4	99.6
IV 300	84.6	93.7	95.7	96.5	97.8	97.9	98.7	98.9	98.9	99.2	99.3	99.3	99.4	99.4	99.4	99.6
IV 200	84.6	93.7	95.7	96.5	97.8	97.9	98.7	98.9	98.9	99.2	99.3	99.3	99.4	99.4	99.4	99.6
IV 100	84.6	93.7	95.7	96.5	97.8	97.9	98.7	98.9	98.9	99.2	99.3	99.3	99.4	99.4	99.4	99.6
IV 0	84.6	93.7	95.7	96.5	97.8	97.9	98.7	98.9	98.9	99.2	99.3	99.3	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2139

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,48-49,57-72  
YEARS

JUN  
MOF 1114

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0100-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.5	50.5	51.3	51.7	52.2	52.3	52.6	52.8	52.8	53.0	53.1	53.1	53.2	53.2	53.3	53.4
IV 20000	53.2	60.1	60.9	61.7	62.2	62.3	62.7	62.8	62.9	63.1	63.2	63.2	63.4	63.4	63.5	63.7
IV 18000	55.2	60.1	60.9	61.7	62.2	62.3	62.7	62.8	62.9	63.1	63.2	63.2	63.4	63.4	63.5	63.7
IV 16000	55.4	60.2	61.1	61.9	62.4	62.5	62.9	63.0	63.1	63.3	63.4	63.4	63.6	63.6	63.7	63.9
IV 14000	56.0	60.9	61.7	62.5	63.0	63.1	63.5	63.7	63.7	63.9	64.0	64.0	64.2	64.2	64.4	64.5
IV 12000	57.6	62.7	63.6	64.4	64.9	65.0	65.4	65.5	65.6	65.8	65.9	65.9	66.1	66.1	66.2	66.4
IV 10000	60.2	65.8	66.7	67.5	68.0	68.1	68.6	68.7	68.8	69.0	69.0	69.0	69.3	69.3	69.4	69.6
IV 9000	61.0	66.7	67.6	68.4	68.9	69.0	69.5	69.6	69.7	69.8	69.9	69.9	70.2	70.2	70.3	70.4
IV 8000	63.3	69.6	70.6	71.4	71.9	72.0	72.5	72.7	72.7	72.9	73.0	73.0	73.2	73.2	73.4	73.5
IV 7000	64.7	71.5	72.5	73.3	73.8	73.9	74.5	74.6	74.7	74.9	75.0	75.0	75.2	75.2	75.3	75.5
IV 6000	66.4	73.9	74.9	75.8	76.3	76.4	76.9	77.1	77.2	77.3	77.4	77.4	77.7	77.7	77.8	77.9
IV 5000	68.2	76.5	77.8	78.8	79.5	79.7	80.2	80.4	80.4	80.6	80.7	80.7	80.9	80.9	81.1	81.2
IV 4500	68.8	77.2	78.6	79.5	80.3	80.4	80.9	81.1	81.2	81.4	81.4	81.4	81.7	81.7	81.8	82.0
IV 4000	70.9	80.3	81.7	82.8	83.8	84.0	84.5	84.7	84.7	84.9	85.0	85.0	85.3	85.3	85.4	85.5
IV 3500	72.0	81.7	83.3	84.5	85.4	85.6	86.1	86.3	86.3	86.6	86.7	86.7	86.9	86.9	87.0	87.2
IV 3000	73.7	83.8	85.5	86.8	87.8	88.0	88.5	88.7	88.7	89.0	89.0	89.0	89.3	89.3	89.4	89.6
IV 2500	74.1	84.4	86.2	87.4	88.6	88.6	89.2	89.4	89.5	89.7	89.8	89.8	90.1	90.1	90.3	90.4
IV 2000	75.2	86.4	88.3	89.6	90.7	90.9	91.6	91.8	91.8	92.1	92.3	92.3	92.6	92.6	92.7	92.9
IV 1800	75.4	86.6	88.5	89.8	91.0	91.1	91.8	92.0	92.1	92.4	92.5	92.5	92.8	92.8	93.0	93.1
IV 1500	75.9	87.6	89.5	91.0	92.4	92.5	93.2	93.5	93.6	93.8	94.0	94.0	94.4	94.4	94.5	94.6
IV 1200	76.3	88.2	90.1	91.8	93.1	93.3	94.0	94.3	94.3	94.6	94.7	94.7	95.1	95.1	95.2	95.4
IV 1000	76.6	88.6	90.7	92.4	93.8	94.0	94.8	95.1	95.2	95.4	95.6	95.6	95.9	95.9	96.1	96.2
IV 900	76.6	88.8	91.0	92.8	94.2	94.4	95.3	95.6	95.7	95.9	96.1	96.1	96.5	96.5	96.6	96.7
IV 800	76.7	88.9	91.0	93.0	94.5	94.7	95.7	96.0	96.0	96.3	96.5	96.5	96.8	96.8	97.0	97.1
IV 700	76.8	89.0	91.2	93.3	94.9	95.2	96.2	96.5	96.5	96.8	97.0	97.0	97.3	97.3	97.5	97.6
IV 600	76.8	89.2	91.5	93.6	95.3	95.5	96.7	97.0	97.1	97.4	97.5	97.5	97.9	97.9	98.0	98.2
IV 500	76.9	89.4	91.7	93.9	95.7	95.9	97.2	97.5	97.5	97.9	98.0	98.0	98.4	98.4	98.6	98.7
IV 400	76.9	89.4	91.7	94.0	95.8	96.0	97.2	97.6	97.6	98.1	98.3	98.3	98.6	98.6	98.8	98.9
IV 300	76.9	89.4	91.7	94.0	95.8	96.0	97.3	97.6	97.7	98.1	98.4	98.4	98.8	98.8	99.0	99.1
IV 200	76.9	89.4	91.7	94.0	95.8	96.0	97.3	97.6	97.7	98.1	98.4	98.4	98.9	98.9	99.1	99.2
IV 100	76.9	89.4	91.7	94.0	95.8	96.0	97.3	97.6	97.7	98.1	98.4	98.4	99.1	99.1	99.3	99.5
IV 0	76.9	89.4	91.7	94.0	95.8	96.0	97.3	97.6	97.7	98.1	98.4	98.4	99.1	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 2145

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-49,56-72  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	39.1	44.2	45.1	45.4	45.6	45.7	45.9	45.9	45.9	45.9	45.9	45.9	46.0	46.0	46.2	46.2
≥ 20000	49.5	55.8	57.0	57.4	57.7	57.8	58.0	58.0	58.0	58.1	58.1	58.1	58.2	58.2	58.3	58.4
IV 18000	49.5	55.8	57.0	57.4	57.8	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.4	58.4
IV 16000	49.6	55.9	57.1	57.5	57.9	57.9	58.1	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.5	58.5
IV 14000	49.9	56.3	57.5	57.9	58.3	58.4	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	59.0	59.0
IV 12000	52.3	59.1	60.3	60.7	61.1	61.2	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.8	61.9
IV 10000	55.6	62.8	64.2	64.7	65.0	65.1	65.3	65.3	65.3	65.4	65.4	65.4	65.5	65.5	65.7	65.8
IV 9000	56.7	64.0	65.5	66.0	66.3	66.4	66.6	66.6	66.6	66.7	66.7	66.7	66.8	66.8	67.0	67.1
IV 8000	60.0	67.9	69.3	69.8	70.2	70.3	70.6	70.6	70.6	70.7	70.7	70.7	70.8	70.8	71.0	71.1
IV 7000	61.9	70.0	71.6	72.4	72.8	72.9	73.2	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.6	73.7
IV 6000	63.8	72.3	74.0	74.9	75.3	75.4	75.7	75.8	75.8	75.8	75.8	75.8	75.9	75.9	76.1	76.2
IV 5000	66.1	75.3	77.1	78.0	78.5	78.6	78.9	79.0	79.0	79.0	79.1	79.1	79.2	79.2	79.4	79.5
IV 4500	66.4	76.1	78.0	78.9	79.4	79.5	79.8	79.8	79.8	79.9	79.9	79.9	80.0	80.0	80.2	80.3
IV 4000	67.5	78.1	80.0	81.0	81.5	81.7	82.0	82.0	82.0	82.1	82.1	82.1	82.2	82.2	82.4	82.5
IV 3500	68.2	79.0	81.1	82.2	82.7	82.9	83.2	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.7	83.8
IV 3000	69.8	81.3	83.4	84.7	85.4	85.5	85.8	85.9	85.9	85.9	86.0	86.0	86.1	86.1	86.3	86.4
IV 2500	70.8	82.9	85.0	86.3	87.0	87.2	87.5	87.5	87.5	87.8	87.8	87.8	87.9	87.9	88.1	88.2
IV 2000	71.3	83.8	86.1	87.4	88.3	88.5	88.8	88.9	88.9	89.1	89.1	89.1	89.2	89.2	89.5	89.5
IV 1800	71.3	84.2	86.5	87.9	88.7	88.9	89.3	89.3	89.3	89.5	89.6	89.6	89.7	89.7	89.9	90.0
IV 1500	72.0	85.4	88.0	89.6	90.5	90.7	91.1	91.1	91.1	91.4	91.4	91.4	91.5	91.5	91.7	91.8
IV 1200	73.2	87.1	89.8	91.4	92.3	92.6	93.1	93.1	93.1	93.3	93.4	93.4	93.5	93.5	93.7	93.8
IV 1000	73.7	88.2	91.1	92.7	93.9	94.2	94.7	94.7	94.8	95.0	95.1	95.1	95.2	95.2	95.4	95.5
IV 900	74.0	88.6	91.5	93.1	94.4	94.7	95.3	95.4	95.4	95.7	95.7	95.7	95.9	95.9	96.1	96.2
IV 800	74.1	89.0	91.8	93.5	94.9	95.2	96.0	96.1	96.2	96.5	96.6	96.6	96.7	96.7	96.9	97.0
IV 700	74.3	89.2	92.0	93.8	95.6	96.0	96.8	97.0	97.0	97.3	97.4	97.4	97.6	97.6	97.8	97.9
IV 600	74.3	89.3	92.1	93.9	95.8	96.3	97.1	97.3	97.3	97.8	97.9	97.9	98.0	98.0	98.3	98.4
IV 500	74.3	89.3	92.2	94.0	96.0	96.5	97.3	97.6	97.6	98.2	98.4	98.4	98.6	98.6	98.8	98.9
IV 400	74.3	89.3	92.2	94.1	96.0	96.5	97.3	97.6	97.6	98.4	98.6	98.6	98.8	98.8	99.1	99.2
IV 300	74.3	89.4	92.3	94.1	96.1	96.6	97.4	97.7	97.8	98.5	98.9	98.9	99.3	99.3	99.6	99.6
IV 200	74.3	89.4	92.3	94.1	96.1	96.6	97.4	97.7	97.8	98.5	98.9	98.9	99.3	99.3	99.6	99.6
IV 100	74.3	89.4	92.3	94.1	96.1	96.6	97.4	97.7	97.8	98.5	98.9	98.9	99.3	99.3	99.6	99.6
IV 0	74.3	89.4	92.3	94.1	96.1	96.6	97.4	97.7	97.8	98.5	98.9	98.9	99.3	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

2247

USAF ETAC

FORM  
JUL 64

0-14-5(OLA) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-49,56-72  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.2	49.9	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 20000	60.4	63.0	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 18000	60.5	63.0	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
16000	60.7	63.2	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 14000	61.6	64.1	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
12000	63.1	65.7	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 10000	66.5	69.2	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
9000	67.5	70.5	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 8000	69.3	72.9	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
7000	70.7	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 6000	72.0	76.0	76.4	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
5000	73.5	78.0	78.6	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 4500	74.1	78.8	79.3	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
4000	75.4	80.7	81.3	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1
IV 3500	76.0	81.5	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
3000	78.8	84.7	85.3	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1
IV 2500	80.2	86.3	87.2	87.8	87.9	87.9	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1
2000	82.0	88.8	89.8	90.5	90.6	90.6	90.7	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8
IV 1800	82.5	89.4	90.4	91.1	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
1500	83.7	91.2	92.5	93.3	93.5	93.5	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1200	84.6	92.7	94.1	95.0	95.3	95.4	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
1000	85.0	93.7	95.3	96.2	96.6	96.7	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 900	85.1	94.0	95.7	96.6	97.2	97.3	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
800	85.3	94.4	96.1	97.2	98.0	98.1	98.3	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	85.3	94.5	96.2	97.4	98.4	98.5	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
600	85.3	94.5	96.2	97.4	98.4	98.7	99.0	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	85.4	94.5	96.3	97.5	98.5	98.8	99.1	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
400	85.4	94.5	96.3	97.5	98.6	98.8	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	85.4	94.5	96.3	97.5	98.6	98.8	99.2	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
200	85.4	94.5	96.3	97.5	98.6	98.8	99.2	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	85.4	94.5	96.3	97.5	98.6	98.8	99.2	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
0	85.4	94.5	96.3	97.5	98.6	98.8	99.2	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2255

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.4	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
IV 20000	61.9	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 18000	62.0	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 16000	62.2	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 14000	62.9	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 12000	64.0	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 10000	67.5	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 9000	68.4	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 8000	70.2	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 7000	71.8	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 6000	73.0	75.2	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 5000	74.7	77.5	77.8	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 4500	76.0	78.8	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 4000	78.6	82.0	82.4	82.5	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 3500	80.3	84.0	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 3000	83.9	88.2	88.7	88.8	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2500	86.2	90.7	91.3	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2000	88.2	93.3	94.1	94.2	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1800	88.4	93.7	94.5	94.7	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1500	88.9	95.0	95.9	96.2	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6
IV 1200	89.7	96.3	97.3	97.6	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1
IV 1000	90.0	96.9	98.1	98.5	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
IV 900	90.0	97.0	98.2	98.5	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
IV 800	90.1	97.1	98.3	98.7	99.3	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	90.1	97.1	98.3	98.7	99.3	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	90.1	97.1	98.3	98.7	99.3	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
IV 500	90.2	97.1	98.3	98.7	99.4	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	90.2	97.1	98.3	98.7	99.4	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	90.2	97.1	98.3	98.7	99.4	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	90.2	97.1	98.3	98.7	99.4	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	90.2	97.1	98.3	98.7	99.4	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	90.2	97.1	98.3	98.7	99.4	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2238

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FOET RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	55.5	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 20000	67.5	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 18000	67.7	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 16000	67.8	68.7	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 14000	68.2	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 12000	70.0	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 10000	72.3	73.3	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 9000	73.0	74.1	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 8000	74.9	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 7000	76.1	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 6000	77.3	78.8	78.8	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 5000	79.2	81.2	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 4500	80.4	82.5	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 4000	83.4	85.9	86.0	86.2	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 3500	84.8	87.5	87.7	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 3000	87.9	90.8	91.0	91.3	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 2500	89.2	92.1	92.4	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 2000	91.1	93.1	93.4	93.7	93.9	93.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1800	91.2	95.4	95.7	96.0	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 1500	91.7	96.2	96.6	97.1	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1200	91.9	96.8	97.2	97.9	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1000	92.2	97.3	97.8	98.5	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 900	92.2	97.3	97.8	98.5	99.0	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	92.2	97.3	97.8	98.5	99.0	99.0	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	92.2	97.3	97.8	98.5	99.2	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	92.3	97.4	98.0	98.7	99.4	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	92.3	97.4	98.0	98.7	99.4	99.4	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	92.3	97.4	98.0	98.7	99.4	99.4	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	92.3	97.4	98.0	98.7	99.4	99.4	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	92.3	97.4	98.0	98.7	99.4	99.4	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	92.3	97.4	98.0	98.7	99.4	99.4	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	92.3	97.4	98.0	98.7	99.4	99.4	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

2195

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-49, 57-72  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 20000	71.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 18000	71.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 16000	71.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 14000	72.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 12000	73.7	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 10000	76.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 9000	76.8	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 8000	78.9	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 7000	80.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 6000	81.9	85.3	85.4	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 5000	83.3	86.8	87.1	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 4500	83.9	87.5	87.8	87.9	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 4000	85.4	89.5	89.8	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.4
IV 3500	87.0	91.2	91.5	91.8	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 3000	88.1	92.7	93.2	93.5	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.0	94.0
IV 2500	88.9	93.7	94.2	94.4	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 2000	89.8	95.0	95.6	95.9	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.5	96.5
IV 1800	90.0	95.2	95.8	96.1	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.7	96.7
IV 1500	90.3	95.7	96.3	96.8	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7
IV 1200	90.5	96.0	96.6	97.1	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1
IV 1000	90.6	96.5	97.2	97.7	98.6	98.6	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
IV 900	90.7	96.6	97.3	97.8	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1
IV 800	90.7	96.6	97.4	97.9	98.9	98.9	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4
IV 700	90.8	96.8	97.5	98.0	99.0	99.0	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6
IV 600	90.8	96.8	97.5	98.0	99.0	99.0	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8
IV 500	90.8	96.8	97.5	98.0	99.0	99.0	99.4	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9
IV 400	90.8	96.8	97.5	98.0	99.0	99.1	99.4	99.6	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0
IV 300	90.8	96.8	97.5	98.0	99.0	99.1	99.4	99.6	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	90.8	96.8	97.5	98.0	99.0	99.1	99.4	99.6	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	90.8	96.8	97.5	98.0	99.0	99.1	99.4	99.6	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	90.8	96.8	97.5	98.0	99.0	99.1	99.4	99.6	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2102

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-43,48-49,57-72  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	59.9	61.5	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 20000	71.9	74.0	74.2	74.2	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 18000	72.1	74.2	74.4	74.4	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 16000	72.2	74.4	74.5	74.6	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 14000	73.1	75.3	75.4	75.5	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 12000	73.9	76.1	76.3	76.3	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 10000	75.8	78.2	78.4	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 9000	76.6	79.1	79.3	79.4	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 8000	78.7	81.3	81.5	81.6	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 7000	80.3	83.0	83.3	83.5	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 6000	81.1	84.0	84.3	84.4	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 5000	82.8	86.1	86.5	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 4500	83.4	86.7	87.3	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 4000	85.1	88.9	89.6	89.9	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 3500	86.0	90.1	90.8	91.0	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 3000	86.9	91.5	92.3	92.5	92.8	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 2500	87.6	92.6	93.5	93.8	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 2000	88.5	94.0	95.0	95.3	95.7	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1800	88.6	94.1	95.1	95.5	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1500	89.1	94.9	96.0	96.4	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1200	89.3	95.2	96.4	96.8	97.5	97.5	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	89.5	95.7	96.9	97.5	98.3	98.3	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
IV 900	89.6	95.8	97.0	97.6	98.5	98.5	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IV 800	89.7	96.0	97.3	98.0	98.9	98.9	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 700	89.7	96.0	97.4	98.1	99.1	99.1	99.2	99.2	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4
IV 600	89.8	96.1	97.5	98.1	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4
IV 500	89.8	96.1	97.5	98.1	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4
IV 400	89.8	96.1	97.5	98.1	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4
IV 300	89.8	96.1	97.5	98.1	99.2	99.3	99.3	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
IV 200	89.8	96.1	97.5	98.1	99.2	99.3	99.3	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
IV 100	89.8	96.1	97.5	98.1	99.2	99.3	99.3	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
IV 0	89.8	96.1	97.5	98.1	99.2	99.3	99.3	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2122



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,48-49,56-71  
YEARS

JUL  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	64.9	68.5	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.0	69.0
IV 20000	74.0	78.5	78.6	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.0
IV 18000	74.1	78.5	78.7	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.1	79.1
IV 16000	74.3	78.7	78.9	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2	79.2
IV 14000	74.6	79.0	79.2	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.6	79.6
IV 12000	76.2	80.8	80.9	81.1	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 10000	78.1	83.0	83.2	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.6	83.6
IV 9000	79.0	84.1	84.3	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7
IV 8000	80.9	86.6	86.8	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.3
IV 7000	82.6	88.6	88.8	89.0	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.3	89.3
IV 6000	83.7	90.1	90.4	90.6	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9
IV 5000	85.3	92.2	92.7	93.2	93.3	93.3	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.6	93.6
IV 4500	85.6	92.6	93.1	93.6	93.7	93.7	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.1	94.1
IV 4000	86.6	94.1	94.9	95.5	95.9	95.9	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.3	96.3
IV 3500	87.1	94.9	95.8	96.3	96.7	96.7	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.2	97.2
IV 3000	87.6	95.7	96.5	97.2	97.5	97.5	97.7	97.7	97.7	97.9	97.9	97.9	97.9	97.9	98.0	98.0
IV 2500	87.7	95.9	96.8	97.4	97.9	97.9	98.1	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.4	98.4
IV 2000	87.7	96.2	97.1	97.7	98.2	98.2	98.3	98.3	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6
IV 1800	87.7	96.3	97.2	97.8	98.2	98.2	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.7	98.7
IV 1500	87.9	96.5	97.4	98.0	98.5	98.5	98.6	98.6	98.6	98.8	98.9	98.9	98.9	98.9	99.0	99.0
IV 1200	88.0	96.8	97.7	98.3	98.8	98.8	99.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.3	99.3
IV 1000	88.1	96.9	97.8	98.5	99.0	99.0	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.5	99.5
IV 900	88.1	96.9	97.8	98.5	99.0	99.0	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.5	99.5
IV 800	88.1	97.0	97.9	98.6	99.1	99.1	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.6	99.6
IV 700	88.1	97.2	98.1	98.8	99.3	99.3	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9
IV 600	88.1	97.2	98.1	98.8	99.3	99.3	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9
IV 500	88.1	97.2	98.2	98.9	99.3	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.9	99.9
IV 400	88.1	97.2	98.2	98.9	99.3	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.9	100.0
IV 300	88.1	97.2	98.2	98.9	99.3	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.9	100.0	100.0
IV 200	88.1	97.2	98.2	98.9	99.3	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.9	100.0	100.0
IV 100	88.1	97.2	98.2	98.9	99.3	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.9	100.0	100.0
IV 0	88.1	97.2	98.2	98.9	99.3	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2219

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-49, 56-72  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING ≥ 20000	54.9 62.8	60.1 69.1	60.6 69.6	61.3 70.3	61.8 70.8	61.8 70.8	62.2 71.1	62.2 71.2	62.2 71.2	62.4 71.5	62.6 71.6	62.6 71.6	62.7 71.8	62.8 71.8	62.8 71.9	62.9 71.9
IV 18000 16000	62.9 63.0	69.1 69.2	69.7 69.8	70.3 70.5	70.8 71.0	70.8 71.0	71.2 71.3	71.2 71.4	71.3 71.4	71.5 71.6	71.6 71.8	71.6 71.8	71.8 72.0	71.9 72.0	71.9 72.0	72.0 72.1
IV 14000 12000	63.4 65.0	69.6 71.8	70.2 72.4	70.9 73.2	71.4 73.6	71.4 73.6	71.7 74.0	71.8 74.0	71.8 74.1	72.0 74.3	72.2 74.4	72.2 74.4	72.4 74.7	72.4 74.7	72.4 74.8	72.5 74.8
IV 10000 9000	67.6 68.7	74.8 76.3	75.5 77.0	76.3 77.8	76.8 78.3	76.8 78.3	77.1 78.7	77.2 78.8	77.2 78.8	77.4 79.0	77.6 79.2	77.6 79.2	77.8 79.4	77.8 79.4	77.9 79.5	77.9 79.5
IV 8000 7000	72.0 73.9	79.9 82.1	80.7 82.9	81.4 83.7	82.0 84.2	82.0 84.3	82.4 84.7	82.5 84.8	82.7 85.0	82.9 85.2	82.9 85.2	83.1 85.4	83.1 85.4	83.1 85.5	83.2 85.5	83.2 85.5
IV 6000 5000	75.0 76.6	83.5 86.1	84.4 87.3	85.2 88.4	85.9 89.1	85.9 89.1	86.3 89.5	86.4 89.6	86.5 89.7	86.7 90.1	86.9 90.1	86.9 90.3	87.1 90.4	87.1 90.4	87.2 90.4	87.2 90.5
IV 4500 4000	77.2 78.8	86.5 89.0	87.7 90.3	88.8 91.7	89.5 92.6	89.6 92.6	90.0 93.1	90.1 93.2	90.1 93.2	90.3 93.5	90.6 93.7	90.6 93.7	90.8 93.9	90.8 93.9	90.9 94.0	90.9 94.0
IV 3500 3000	79.1 79.9	89.6 90.6	91.1 92.1	92.3 93.3	93.2 94.4	93.2 94.5	93.7 95.0	93.8 95.1	93.9 95.1	94.1 95.4	94.3 95.6	94.3 95.6	94.5 95.8	94.6 95.9	94.6 95.9	94.7 95.9
IV 2500 2000	80.3 80.5	91.3 92.1	92.8 93.6	94.3 95.1	95.3 96.1	95.3 96.1	95.9 96.7	95.9 96.7	96.0 96.8	96.2 97.0	96.4 97.2	96.4 97.2	96.7 97.5	96.7 97.6	96.7 97.6	96.8 97.6
IV 1800 1500	80.5 80.8	92.1 92.6	93.6 94.2	95.1 95.6	96.1 96.7	96.2 96.7	96.7 97.2	96.8 97.3	96.8 97.4	97.1 97.6	97.3 97.8	97.3 97.8	97.6 98.1	97.6 98.1	97.6 98.2	97.7 98.2
IV 1200 1000	81.0 81.1	93.0 93.3	94.6 94.9	96.1 96.3	97.1 97.4	97.2 97.5	97.7 98.0	97.8 98.1	97.9 98.2	98.1 98.5	98.3 98.8	98.3 98.8	98.6 99.0	98.6 99.1	98.7 99.1	98.7 99.2
IV 900 800	81.2 81.2	93.4 93.4	95.0 95.1	96.5 96.6	97.6 97.7	97.6 97.7	98.2 98.3	98.3 98.4	98.4 98.5	98.7 98.8	98.9 99.0	98.9 99.0	99.2 99.3	99.2 99.3	99.2 99.3	99.3 99.4
IV 700 600	81.2 81.2	93.5 93.5	95.2 95.2	96.7 96.7	97.7 97.8	97.8 97.8	98.4 98.4	98.4 98.5	98.5 98.6	98.9 99.0	99.1 99.2	99.1 99.2	99.4 99.5	99.4 99.5	99.5 99.6	99.5 99.6
IV 500 400	81.2 81.2	93.5 93.5	95.2 95.2	96.7 96.7	97.8 97.8	97.8 97.8	98.5 98.5	98.6 98.6	98.7 98.7	99.0 99.1	99.2 99.3	99.2 99.3	99.5 99.6	99.6 99.7	99.6 99.7	99.6 99.8
IV 300 200	81.2 81.2	93.5 93.5	95.2 95.2	96.7 96.7	97.8 97.8	97.8 97.8	98.5 98.5	98.6 98.6	98.7 98.7	99.1 99.1	99.3 99.3	99.3 99.3	99.6 99.6	99.7 99.7	99.7 99.8	99.8 99.9
IV 100 0	81.2 81.2	93.5 93.5	95.2 95.2	96.7 96.7	97.8 97.8	97.8 97.8	98.5 98.5	98.6 98.6	98.7 98.7	99.1 99.1	99.3 99.3	99.3 99.3	99.6 99.6	99.7 99.7	99.8 99.8	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 2246

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

EDRT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-49,56-72  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS(EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.3	52.8	53.8	54.5	54.9	55.0	55.3	55.3	55.3	55.6	55.7	55.7	55.8	55.8	55.9	55.9
IV 20000	55.1	62.9	63.9	64.8	65.2	65.4	65.6	65.7	65.7	65.9	66.0	66.0	66.1	66.1	66.3	66.3
IV 18000	55.3	63.1	64.1	65.0	65.4	65.6	65.8	65.9	65.9	66.1	66.2	66.2	66.3	66.3	66.5	66.5
IV 16000	55.7	63.5	64.5	65.4	65.9	66.0	66.2	66.3	66.3	66.5	66.6	66.6	66.7	66.7	66.9	66.9
IV 14000	56.4	64.5	65.5	66.4	66.8	67.0	67.2	67.2	67.2	67.5	67.6	67.6	67.7	67.7	67.8	67.8
IV 12000	58.6	67.5	68.5	69.5	70.0	70.1	70.3	70.4	70.4	70.6	70.7	70.7	70.9	70.9	71.0	71.0
IV 10000	61.7	71.1	72.2	73.1	73.6	73.7	74.0	74.0	74.0	74.3	74.3	74.3	74.5	74.5	74.6	74.6
IV 9000	63.0	72.6	73.7	74.7	75.2	75.3	75.6	75.6	75.6	75.9	75.9	75.9	76.1	76.1	76.2	76.2
IV 8000	66.5	76.9	78.1	79.3	79.8	80.0	80.2	80.2	80.2	80.5	80.6	80.6	80.7	80.7	80.9	80.9
IV 7000	68.4	79.3	80.7	81.8	82.4	82.5	82.7	82.8	82.8	83.0	83.1	83.1	83.3	83.3	83.4	83.4
IV 6000	70.2	81.4	82.8	83.9	84.5	84.6	84.8	84.9	84.9	85.1	85.2	85.2	85.4	85.4	85.5	85.5
IV 5000	72.0	84.0	85.5	86.6	87.4	87.5	87.5	87.9	87.9	88.2	88.3	88.3	88.5	88.5	88.6	88.6
IV 4500	72.6	85.0	86.5	87.9	88.5	88.6	88.9	89.0	89.0	89.3	89.4	89.4	89.6	89.6	89.7	89.7
IV 4000	74.1	87.2	88.7	90.1	90.8	90.9	91.2	91.3	91.3	91.6	91.7	91.7	91.9	91.9	92.0	92.0
IV 3500	74.2	87.6	89.1	90.6	91.3	91.4	91.7	91.8	91.8	92.2	92.3	92.3	92.5	92.5	92.6	92.6
IV 3000	74.8	88.7	90.4	91.9	92.6	92.8	93.1	93.2	93.2	93.5	93.7	93.7	93.9	93.9	94.0	94.0
IV 2500	75.2	89.2	90.9	92.4	93.2	93.3	93.6	93.7	93.7	94.0	94.2	94.2	94.4	94.4	94.5	94.5
IV 2000	75.7	90.0	91.8	93.4	94.1	94.3	94.6	94.7	94.7	95.0	95.2	95.2	95.4	95.4	95.5	95.5
IV 1800	75.7	90.2	92.0	93.5	94.3	94.4	94.8	94.9	94.9	95.2	95.4	95.4	95.6	95.6	95.7	95.7
IV 1500	75.9	90.7	92.5	94.1	94.8	95.0	95.4	95.4	95.4	95.8	95.9	95.9	96.1	96.1	96.3	96.3
IV 1200	76.3	91.2	93.1	94.7	95.6	95.7	96.1	96.2	96.2	96.6	96.7	96.7	97.0	97.0	97.1	97.1
IV 1000	76.7	92.1	94.0	95.6	96.5	96.7	97.1	97.2	97.2	97.5	97.7	97.7	97.9	97.9	98.0	98.0
IV 900	76.7	92.4	94.4	96.1	97.1	97.2	97.6	97.7	97.8	98.1	98.3	98.3	98.5	98.5	98.7	98.7
IV 800	76.7	92.5	94.4	96.2	97.2	97.3	97.7	97.8	97.9	98.3	98.5	98.5	98.7	98.7	98.8	98.8
IV 700	76.7	92.6	94.6	96.3	97.4	97.5	98.0	98.1	98.2	98.5	98.8	98.8	99.0	99.0	99.1	99.1
IV 600	76.7	92.6	94.7	96.5	97.6	97.7	98.2	98.3	98.3	98.7	99.0	99.0	99.2	99.2	99.3	99.3
IV 500	76.7	92.7	94.7	96.5	97.6	97.8	98.3	98.4	98.4	98.8	99.1	99.1	99.3	99.3	99.4	99.4
IV 400	76.7	92.7	94.7	96.5	97.6	97.8	98.3	98.5	98.5	98.9	99.2	99.2	99.4	99.4	99.5	99.5
IV 300	76.7	92.7	94.7	96.5	97.6	97.8	98.3	98.5	98.5	99.0	99.3	99.3	99.5	99.5	99.7	99.7
IV 200	76.7	92.7	94.7	96.5	97.6	97.8	98.3	98.5	98.5	99.0	99.3	99.3	99.6	99.6	99.8	99.8
IV 100	76.7	92.7	94.7	96.5	97.6	97.8	98.4	98.5	98.6	99.0	99.3	99.3	99.7	99.7	99.9	100.0
IV 0	76.7	92.7	94.7	96.5	97.6	97.8	98.4	98.5	98.6	99.0	99.3	99.3	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2460

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AFB  
STATION NAME

39-49.56-72  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0400-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	55.4	58.6	58.9	59.0	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 20000	65.9	70.0	70.3	70.4	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 18000	66.1	70.1	70.4	70.5	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 16000	66.6	70.6	70.9	71.0	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 14000	67.4	71.5	71.8	71.9	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 12000	70.0	74.4	74.8	74.9	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 10000	72.9	77.4	77.9	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 9000	73.9	78.5	79.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 8000	76.7	81.9	82.4	82.5	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 7000	78.5	84.1	84.6	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 6000	79.2	85.1	85.7	85.9	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 5000	80.5	87.0	87.6	88.1	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 4500	80.8	87.6	88.2	88.7	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 4000	82.1	89.1	89.8	90.3	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 3500	82.5	89.6	90.3	90.8	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 3000	83.7	91.0	91.8	92.3	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 2500	84.6	92.3	93.1	93.7	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 2000	85.3	93.5	94.4	95.0	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1800	85.5	93.8	94.7	95.4	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1500	85.9	94.3	95.2	96.0	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1200	86.4	95.2	96.3	97.0	97.4	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1000	86.7	96.1	97.1	97.8	98.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	86.8	96.3	97.4	98.1	98.5	98.7	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 800	86.8	96.5	97.6	98.4	98.8	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	86.8	96.6	97.7	98.5	98.9	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	86.8	96.6	97.8	98.7	99.1	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	86.9	96.7	98.0	98.9	99.3	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	86.9	96.7	98.0	98.9	99.3	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	86.9	96.7	98.0	98.9	99.3	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	86.9	96.7	98.0	98.9	99.3	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	86.9	96.7	98.0	98.9	99.3	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	86.9	96.7	98.0	98.9	99.3	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2461

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13967  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-49, 56-72  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	60.2	61.8	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 20000	69.5	71.6	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 18000	69.7	71.7	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 16000	69.9	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 14000	70.6	72.8	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 12000	72.8	75.2	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 10000	75.4	77.9	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 9000	76.3	78.8	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 8000	78.8	81.8	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 7000	79.9	82.9	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 6000	81.2	84.3	84.5	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 5000	83.0	86.4	86.7	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 4500	83.7	87.2	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 4000	86.0	89.6	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 3500	87.4	91.5	91.8	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 3000	89.4	93.8	94.2	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 2500	90.8	95.7	96.0	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 2000	91.5	96.8	97.2	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1800	91.6	97.1	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1500	92.1	97.8	98.2	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1200	92.3	98.0	98.6	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	92.3	98.3	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	92.3	98.4	98.9	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	92.3	98.5	99.0	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	92.3	98.6	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	92.3	98.6	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	92.3	98.6	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	92.3	98.6	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	92.3	98.6	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	92.3	98.6	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	92.3	98.6	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	92.3	98.6	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2452

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-49,56-72  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	65.3	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 20000	75.2	76.8	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 18000	75.3	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 16000	75.6	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 14000	76.3	78.0	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 12000	77.9	79.9	80.1	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 10000	80.4	82.5	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 9000	81.1	83.2	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 8000	83.3	85.6	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 7000	84.3	87.0	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 6000	85.4	88.1	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 5000	87.0	89.8	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 4500	87.8	90.8	91.3	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 4000	90.1	93.4	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 3500	90.7	94.2	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 3000	92.2	95.8	96.5	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 2500	92.9	96.8	97.4	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 2000	93.3	97.6	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1800	93.5	97.9	98.6	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500	93.7	98.1	98.8	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	93.9	98.5	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	93.9	98.5	99.3	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	93.9	98.5	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	93.9	98.5	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	93.9	98.5	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	93.9	98.5	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	93.9	98.5	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	93.9	98.5	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	93.9	98.5	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	93.9	98.5	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	93.9	98.5	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	93.9	98.5	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 241

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-49, 56-72  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	66.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 20000	77.3	79.6	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 18000	77.4	79.7	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 16000	77.8	80.1	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 14000	78.3	80.8	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 12000	79.7	82.3	82.6	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 10000	82.1	85.1	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 9000	82.7	85.7	86.1	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 8000	84.7	87.9	88.2	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 7000	86.4	89.9	90.2	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 6000	87.4	91.0	91.4	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 5000	88.9	92.7	93.1	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 4500	89.3	93.2	93.6	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 4000	91.1	95.5	96.0	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 3500	91.6	96.1	96.6	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 3000	92.0	96.7	97.3	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 2500	92.3	97.1	97.7	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 2000	92.7	97.6	98.2	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1800	92.8	97.7	98.2	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1500	92.9	97.9	98.5	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1200	92.9	98.2	98.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	92.9	98.4	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	92.9	98.4	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	92.9	98.4	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	92.9	98.4	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	92.9	98.4	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	92.9	98.4	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	92.9	98.4	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	92.9	98.4	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	92.9	98.4	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	92.9	98.4	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	92.9	98.4	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

2224

USAF ETAC

FORM  
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FUPT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-43,48-49,56-72  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	70.4	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 20000	79.5	82.2	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 18000	79.5	82.2	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 16000	79.6	82.3	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 14000	80.0	82.9	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 12000	81.0	84.1	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 10000	82.8	86.3	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 9000	83.7	87.1	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 8000	85.6	89.3	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 7000	86.6	90.8	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 6000	87.9	92.2	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 5000	89.5	94.1	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2
IV 4500	90.0	94.6	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 4000	91.0	95.9	96.8	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3
IV 3500	91.4	96.6	97.5	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0
IV 3000	91.6	97.1	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 2500	91.7	97.2	98.2	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 2000	91.9	97.4	98.4	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0
IV 1800	91.9	97.5	98.5	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1
IV 1500	92.1	97.8	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3
IV 1200	92.1	98.0	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 1000	92.1	98.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 900	92.1	98.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 800	92.1	98.1	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
IV 700	92.1	98.2	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
IV 600	92.1	98.2	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
IV 500	92.1	98.2	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 400	92.1	98.2	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 300	92.1	98.2	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 200	92.1	98.2	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 100	92.1	98.2	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 0	92.1	98.2	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2223



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-70  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	66.7	71.6	72.1	72.3	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 20000	74.3	79.8	80.3	80.5	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 18000	74.3	79.8	80.4	80.6	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.3
IV 16000	74.5	80.0	80.5	80.8	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.5
IV 14000	75.2	80.7	81.2	81.4	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.1
IV 12000	76.2	81.9	82.4	82.7	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.4
IV 10000	77.9	84.1	84.6	84.9	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.6
IV 9000	78.7	85.3	85.9	86.1	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.9
IV 8000	80.4	87.7	88.3	88.5	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 7000	81.5	89.1	89.7	89.9	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.8
IV 6000	82.1	89.8	90.4	90.6	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.4
IV 5000	82.6	91.0	91.6	91.9	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9
IV 4500	83.3	91.5	92.2	92.6	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.6
IV 4000	84.0	92.6	93.4	93.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.9
IV 3500	84.2	93.3	94.1	94.5	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.9
IV 3000	84.5	93.7	94.6	95.0	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.4
IV 2500	84.6	93.9	94.8	95.3	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.7
IV 2000	84.8	94.5	95.4	95.9	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.4
IV 1800	84.8	94.5	95.4	95.9	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5
IV 1500	85.1	94.9	95.9	96.3	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9	98.0
IV 1200	85.3	95.1	96.1	96.6	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2
IV 1000	85.5	95.5	96.6	97.0	98.3	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7
IV 900	85.6	95.6	96.7	97.2	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.9
IV 800	85.6	95.6	96.8	97.3	98.6	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
IV 700	85.6	95.8	97.0	97.5	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
IV 600	85.6	95.9	97.1	97.8	99.1	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
IV 500	85.6	95.9	97.2	97.8	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8
IV 400	85.6	95.9	97.2	97.8	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8
IV 300	85.6	95.9	97.2	97.8	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8
IV 200	85.6	95.9	97.2	97.8	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8
IV 100	85.6	95.9	97.2	97.8	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8
IV 0	85.6	95.9	97.2	97.8	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8

TOTAL NUMBER OF OBSERVATIONS 2271

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-49,56-72  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	56.3 63.1	63.2 70.8	64.5 72.2	65.0 72.7	65.4 73.3	65.5 73.3	65.8 73.7	65.8 73.8	65.9 73.8	66.2 74.1	66.2 74.2	66.2 74.2	66.3 74.3	66.3 74.3	66.4 74.4	66.6 74.6
IV 18000 IV 16000	63.1 63.1	70.8 70.9	72.2 72.3	72.7 72.8	73.3 73.4	73.4 73.4	73.8 73.8	73.8 73.9	73.9 73.9	74.2 74.2	74.2 74.2	74.2 74.2	74.4 74.4	74.4 74.4	74.5 74.5	74.6 74.7
IV 14000 IV 12000	63.6 64.7	71.5 72.8	72.9 74.2	73.4 74.7	74.0 75.3	74.1 75.3	74.5 75.7	74.5 75.8	74.6 75.8	74.8 76.1	74.9 76.1	74.9 76.1	75.1 76.3	75.1 76.3	75.1 76.4	75.3 76.6
IV 10000 IV 9000	66.7 67.7	75.4 76.7	76.7 78.3	77.2 78.8	77.8 79.4	77.9 79.4	78.3 79.8	78.4 79.9	78.4 80.0	78.7 80.2	78.7 80.3	78.7 80.3	78.9 80.4	78.9 80.4	79.0 80.5	79.1 80.7
IV 8000 IV 7000	69.2 70.8	78.5 80.8	80.2 82.7	80.8 83.2	81.4 83.8	81.4 83.9	81.8 84.3	81.9 84.3	81.9 84.4	82.2 84.6	82.2 84.7	82.2 84.7	82.4 84.9	82.4 84.9	82.5 84.9	82.7 85.1
IV 6000 IV 5000	72.3 73.5	82.7 84.6	84.6 86.8	85.1 87.3	85.7 88.0	85.8 88.0	86.2 88.5	86.2 88.6	86.3 88.6	86.5 88.9	86.6 88.9	86.6 88.9	86.8 89.1	86.8 89.1	86.8 89.2	87.0 89.4
IV 4500 IV 4000	74.1 74.7	85.6 87.3	87.7 89.5	88.4 90.4	89.1 91.1	89.2 91.1	89.6 91.6	89.7 91.7	89.7 91.7	90.0 92.0	90.0 92.0	90.0 92.0	90.2 92.2	90.2 92.2	90.3 92.3	90.5 92.5
IV 3500 IV 3000	75.1 75.6	87.9 88.6	90.2 91.0	91.0 92.0	91.8 92.9	91.9 92.9	92.3 93.3	92.4 93.4	92.5 93.5	92.8 93.8	92.9 93.9	92.9 93.9	93.0 94.1	93.0 94.1	93.1 94.2	93.3 94.4
IV 2500 IV 2000	75.7 76.2	88.9 89.9	91.3 92.5	92.3 93.6	93.2 94.5	93.2 94.5	93.7 95.0	93.8 95.1	93.8 95.1	94.2 95.4	94.2 95.5	94.2 95.5	94.4 95.7	94.4 95.7	94.5 95.8	94.7 96.0
IV 1800 IV 1500	76.2 76.5	90.0 90.4	92.5 92.9	93.6 94.1	94.5 95.0	94.6 95.1	95.0 95.5	95.1 95.6	95.2 95.7	95.5 96.0	95.6 96.2	95.6 96.2	95.7 96.3	95.7 96.3	95.8 96.4	96.0 96.6
IV 1200 IV 1000	76.8 77.2	90.9 91.4	93.6 94.1	94.8 95.3	95.7 96.2	95.7 96.3	96.2 96.7	96.3 96.9	96.4 97.0	96.8 97.3	96.9 97.5	96.9 97.5	97.1 97.7	97.1 97.7	97.2 97.8	97.4 98.0
IV 900 IV 800	77.2 77.2	91.4 91.7	94.2 94.5	95.4 95.7	96.3 96.6	96.3 96.7	96.8 97.1	97.0 97.3	97.1 97.4	97.4 97.8	97.6 97.9	97.6 97.9	97.8 98.2	97.8 98.2	97.9 98.3	98.1 98.5
IV 700 IV 600	77.3 77.3	91.9 92.0	94.8 94.9	96.0 96.3	97.0 97.3	97.1 97.4	97.5 97.8	97.8 98.1	97.8 98.2	98.2 98.5	98.4 98.7	98.4 98.7	98.6 98.9	98.6 98.9	98.7 99.0	98.9 99.2
IV 500 IV 400	77.3 77.3	92.0 92.0	94.9 94.9	96.3 96.3	97.4 97.5	97.5 97.6	98.0 98.1	98.2 98.3	98.3 98.4	98.6 98.8	98.8 99.0	98.8 99.0	99.1 99.2	99.1 99.3	99.2 99.4	99.4 99.6
IV 300 IV 200	77.3 77.3	92.0 92.0	95.0 95.0	96.3 96.3	97.5 97.5	97.7 97.7	98.2 98.2	98.4 98.4	98.5 98.5	98.9 98.9	99.2 99.2	99.2 99.2	99.4 99.4	99.4 99.5	99.5 99.6	99.7 99.8
IV 100 IV 0	77.3 77.3	92.0 92.0	95.0 95.0	96.3 96.3	97.5 97.5	97.7 97.7	98.2 98.2	98.4 98.4	98.5 98.5	98.9 98.9	99.2 99.2	99.2 99.2	99.4 99.4	99.5 99.5	99.6 99.6	99.8 100.0

TOTAL NUMBER OF OBSERVATIONS

2325

USAF ETAC

FORM  
JUL 64

0-14-5 (OLA) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.6	52.8	54.3	54.8	55.1	55.5	55.7	55.9	55.9	56.1	56.1	56.1	56.3	56.3	56.5	56.6
≥ 20000	52.2	61.5	63.2	64.1	64.6	64.9	65.2	65.3	65.4	65.5	65.5	65.5	65.8	65.8	65.9	66.1
IV 18000	52.2	61.5	63.2	64.1	64.6	64.9	65.2	65.3	65.4	65.5	65.5	65.5	65.8	65.8	65.9	66.1
IV 16000	52.2	61.6	63.3	64.2	64.6	65.0	65.2	65.4	65.5	65.6	65.6	65.6	65.8	65.8	66.0	66.2
IV 14000	52.6	62.2	63.9	64.8	65.2	65.6	65.8	66.0	66.1	66.2	66.2	66.2	66.4	66.4	66.6	66.7
IV 12000	55.1	64.9	66.9	67.7	68.3	68.7	68.9	69.1	69.2	69.3	69.3	69.3	69.6	69.6	69.7	69.9
IV 10000	57.8	67.9	70.0	70.8	71.6	71.9	72.1	72.3	72.4	72.5	72.5	72.5	72.8	72.8	73.0	73.1
IV 9000	58.8	69.2	71.2	72.1	72.9	73.2	73.5	73.7	73.8	73.9	73.9	73.9	74.1	74.1	74.4	74.5
IV 8000	61.9	72.8	74.9	75.8	76.7	77.1	77.4	77.6	77.6	77.8	77.8	77.8	78.0	78.0	78.2	78.4
IV 7000	63.8	75.2	77.5	78.6	79.5	79.9	80.2	80.4	80.5	80.6	80.6	80.6	80.8	80.8	81.0	81.2
IV 6000	64.6	76.6	78.8	80.1	81.0	81.4	81.7	81.9	82.0	82.1	82.1	82.1	82.3	82.3	82.6	82.7
IV 5000	66.7	79.3	81.7	83.0	84.0	84.3	84.7	84.9	85.0	85.1	85.1	85.1	85.3	85.3	85.6	85.7
IV 4500	67.1	80.0	82.4	83.7	84.7	85.1	85.5	85.7	85.7	85.9	85.9	85.9	86.1	86.1	86.3	86.5
IV 4000	67.9	81.5	84.1	85.4	86.7	87.0	87.4	87.6	87.7	87.8	87.8	87.8	88.0	88.0	88.3	88.4
IV 3500	68.1	81.8	84.4	85.8	87.1	87.4	87.8	88.1	88.2	88.3	88.3	88.3	88.6	88.6	88.8	89.0
IV 3000	68.7	82.9	85.7	87.1	88.4	88.8	89.2	89.5	89.6	89.7	89.7	89.7	90.0	90.0	90.2	90.4
IV 2500	69.1	83.4	86.2	87.7	89.1	89.5	89.9	90.2	90.3	90.5	90.5	90.5	90.7	90.7	90.9	91.1
IV 2000	69.6	84.5	87.6	89.3	90.8	91.2	91.7	92.0	92.1	92.3	92.3	92.3	92.5	92.5	92.7	92.9
IV 1800	69.7	84.6	87.9	89.6	91.1	91.5	92.0	92.4	92.5	92.6	92.6	92.6	92.8	92.8	93.1	93.2
IV 1500	69.9	85.1	88.5	90.3	91.8	92.2	92.7	93.1	93.2	93.4	93.4	93.4	93.6	93.6	93.8	94.0
IV 1200	70.3	85.8	89.3	91.1	92.6	93.0	93.6	94.0	94.1	94.3	94.3	94.3	94.5	94.5	94.8	94.9
IV 1000	70.8	86.7	90.3	92.2	93.8	94.2	94.8	95.3	95.4	95.6	95.6	95.6	95.8	95.8	96.0	96.2
IV 900	70.9	86.8	90.5	92.5	94.2	94.7	95.3	95.8	95.9	96.1	96.1	96.1	96.3	96.3	96.5	96.7
IV 800	70.9	87.0	90.7	92.8	94.6	95.1	95.8	96.3	96.4	96.7	96.7	96.7	96.9	96.9	97.1	97.3
IV 700	71.0	87.4	91.2	93.4	95.4	95.9	96.6	97.1	97.2	97.5	97.5	97.5	97.7	97.7	98.0	98.1
IV 600	71.0	87.5	91.3	93.6	95.6	96.2	96.9	97.5	97.6	97.9	97.9	97.9	98.2	98.2	98.4	98.6
IV 500	71.0	87.6	91.5	93.9	96.0	96.6	97.4	98.0	98.1	98.5	98.6	98.6	98.8	98.8	99.0	99.2
IV 400	71.0	87.7	91.5	93.9	96.1	96.7	97.5	98.2	98.4	98.7	98.8	98.8	99.1	99.1	99.4	99.6
IV 300	71.0	87.7	91.5	93.9	96.1	96.7	97.5	98.2	98.5	98.8	98.9	98.9	99.2	99.2	99.6	99.8
IV 200	71.0	87.7	91.5	93.9	96.1	96.7	97.5	98.3	98.5	98.8	99.0	99.0	99.2	99.3	99.6	99.9
IV 100	71.0	87.7	91.5	93.9	96.1	96.7	97.5	98.3	98.5	98.8	99.0	99.0	99.2	99.3	99.6	99.9
IV 0	71.0	87.7	91.5	93.9	96.1	96.7	97.5	98.3	98.5	98.8	99.0	99.0	99.2	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 2517

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	55.5	59.9	60.4	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 20000	63.5	69.1	69.7	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 18000	63.6	69.2	69.7	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 16000	63.6	69.3	69.8	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 14000	64.2	69.9	70.5	70.6	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 12000	66.2	72.3	73.0	73.3	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 10000	68.1	74.6	75.3	75.6	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 9000	69.7	76.2	76.9	77.2	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 8000	72.1	78.9	79.6	80.1	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 7000	73.7	81.2	82.0	82.4	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 6000	74.5	82.4	83.2	83.6	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 5000	76.2	84.7	85.6	86.1	86.4	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 4500	76.6	85.4	86.2	86.7	87.1	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 4000	77.3	86.6	87.5	88.0	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 3500	77.8	87.2	88.1	88.6	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 3000	78.2	87.7	88.6	89.2	89.6	89.7	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 2500	78.8	88.7	89.7	90.3	90.7	90.9	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 2000	79.7	90.1	91.1	91.8	92.3	92.4	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 1800	79.9	90.4	91.4	92.1	92.6	92.8	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1500	80.8	91.5	92.6	93.3	94.0	94.2	94.4	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 1200	81.6	92.7	94.0	94.7	95.4	95.6	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1000	82.0	93.7	95.2	95.9	96.7	96.9	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 900	82.2	94.0	95.5	96.3	97.1	97.4	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 800	82.3	94.4	95.9	96.9	97.8	98.1	98.4	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	82.5	94.7	96.2	97.4	98.4	98.7	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	82.6	94.8	96.3	97.6	98.6	99.0	99.4	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	82.6	94.8	96.5	97.7	98.7	99.1	99.6	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 400	82.6	94.8	96.5	97.7	98.7	99.1	99.6	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 300	82.6	94.8	96.5	97.7	98.7	99.1	99.6	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 200	82.6	94.8	96.5	97.7	98.7	99.1	99.6	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 100	82.6	94.8	96.5	97.7	98.7	99.1	99.6	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 0	82.6	94.8	96.5	97.7	98.7	99.1	99.6	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2538

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	59.9	62.4	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 20000	68.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 18000	68.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 16000	68.5	71.5	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 14000	69.3	72.4	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 12000	71.1	74.5	74.7	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 10000	73.9	77.5	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 9000	75.0	78.8	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 8000	76.4	80.6	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 7000	78.2	82.6	83.1	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 6000	79.0	83.5	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 5000	81.1	85.8	86.4	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 4500	81.9	86.7	87.3	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 4000	83.9	89.1	89.7	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 3500	84.4	90.0	90.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0
IV 3000	85.3	91.4	92.0	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6
IV 2500	86.7	93.3	93.9	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6
IV 2000	87.8	94.7	95.4	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1800	88.0	95.1	95.8	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1500	88.4	95.8	96.5	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5
IV 1200	88.9	96.7	97.6	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
IV 1000	89.2	97.1	98.1	98.6	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 900	89.2	97.2	98.1	98.7	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	89.3	97.2	98.2	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	89.3	97.3	98.3	98.9	99.4	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	89.3	97.3	98.3	98.9	99.4	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	89.3	97.3	98.3	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	89.3	97.3	98.3	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	89.3	97.3	98.3	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	89.3	97.3	98.3	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	89.3	97.3	98.3	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	89.3	97.4	98.4	99.1	99.6	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2533

USAF ETAC

FORM  
JUL 64

0-14-5(OLA) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF 38-49.56-72 YEARS

AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING ≥ 20000	64.4 73.8	66.3 76.0	66.5 76.2	66.5 76.2	66.5 76.3	66.5 76.3	66.5 76.3	66.5 76.3	66.5 76.3	66.5 76.3	66.5 76.3	66.5 76.3	66.5 76.3	66.5 76.3	66.5 76.3	66.5 76.3
IV 18000 16000	73.9 74.1	76.1 76.3	76.4 76.6	76.4 76.6	76.4 76.6	76.4 76.6	76.4 76.6	76.4 76.6	76.4 76.6	76.4 76.6	76.4 76.6	76.4 76.6	76.4 76.6	76.4 76.6	76.4 76.6	76.4 76.6
IV 14000 12000	74.7 75.8	77.0 78.2	77.3 78.5	77.3 78.5	77.4 78.5	77.4 78.5	77.4 78.5	77.4 78.5	77.4 78.5	77.4 78.5	77.4 78.5	77.4 78.5	77.4 78.5	77.4 78.5	77.4 78.5	77.4 78.5
IV 10000 9000	78.4 79.4	81.5 82.5	81.9 82.9	81.9 82.9	81.9 83.0	81.9 83.0	81.9 83.0	81.9 83.0	81.9 83.0	81.9 83.0	81.9 83.0	81.9 83.0	81.9 83.0	81.9 83.0	81.9 83.0	81.9 83.0
IV 8000 7000	80.9 81.8	84.2 85.5	84.6 85.8	84.7 85.9	84.9 86.1	84.9 86.1	84.9 86.1	84.9 86.1	84.9 86.1	84.9 86.1	84.9 86.1	84.9 86.1	84.9 86.1	84.9 86.1	84.9 86.1	84.9 86.1
IV 6000 5000	82.8 84.3	86.6 88.3	86.9 88.7	87.1 89.0	87.3 89.2	87.3 89.2	87.3 89.3	87.3 89.3	87.3 89.3	87.3 89.3	87.3 89.3	87.3 89.3	87.3 89.3	87.3 89.3	87.3 89.3	87.3 89.3
IV 4500 4000	85.3 88.2	89.4 92.9	89.9 93.4	90.1 93.7	90.3 93.9	90.3 93.9	90.4 93.9	90.4 93.9	90.4 93.9	90.4 93.9	90.4 93.9	90.4 93.9	90.4 93.9	90.4 93.9	90.4 93.9	90.4 93.9
IV 3500 3000	88.7 89.6	93.7 94.9	94.2 95.5	94.5 95.8	94.7 96.1	94.7 96.1	94.8 96.2	94.8 96.2	94.8 96.2	94.8 96.3	94.8 96.3	94.8 96.3	94.8 96.3	94.8 96.3	94.8 96.3	94.8 96.3
IV 2500 2000	90.4 91.0	95.8 96.6	96.4 97.2	96.8 97.6	97.0 97.9	97.0 97.9	97.2 98.0	97.2 98.0	97.2 98.0	97.2 98.0	97.2 98.0	97.2 98.0	97.2 98.0	97.2 98.0	97.2 98.0	97.2 98.0
IV 1800 1500	91.0 91.5	96.8 97.4	97.4 98.1	97.8 98.5	98.1 98.8	98.1 98.8	98.2 99.0	98.2 99.0	98.2 99.0	98.2 99.0	98.2 99.0	98.2 99.0	98.2 99.0	98.2 99.0	98.2 99.0	98.2 99.0
IV 1200 1000	91.7 91.8	97.7 97.8	98.6 98.7	99.0 99.2	99.4 99.6	99.4 99.6	99.5 99.8	99.5 99.8	99.5 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8
IV 900 800	91.8 91.8	97.8 97.8	98.8 98.8	99.2 99.2	99.6 99.6	99.6 99.7	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9
IV 700 600	91.8 91.8	97.8 97.9	98.8 98.9	99.2 99.3	99.6 99.7	99.7 99.8	99.8 99.9	99.8 99.9	99.8 99.9	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0
IV 500 400	91.8 91.8	97.9 97.9	98.9 98.9	99.3 99.3	99.7 99.7	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 300 200	91.8 91.8	97.9 97.9	98.9 98.9	99.3 99.3	99.7 99.7	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 100 0	91.8 91.8	97.9 97.9	98.9 98.9	99.3 99.3	99.7 99.7	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 2495

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-45, 47-49, 56-72  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	66.2	68.8	69.0	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 20000	76.2	79.4	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 18000	76.3	79.6	79.9	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 16000	76.4	79.7	80.0	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 14000	76.5	79.8	80.1	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 12000	77.4	80.8	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 10000	79.2	83.0	83.3	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 9000	80.1	84.2	84.5	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 8000	81.9	86.3	86.7	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 7000	83.0	87.7	88.1	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 6000	84.0	88.8	89.2	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 5000	85.8	90.7	91.0	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 4500	86.5	91.6	92.0	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 4000	87.8	93.5	93.9	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 3500	88.2	94.1	94.4	95.0	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 3000	88.9	94.9	95.4	96.0	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 2500	89.1	95.1	95.6	96.3	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 2000	89.6	95.8	96.4	97.1	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1800	89.8	96.1	96.7	97.5	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1500	90.1	96.6	97.2	98.0	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1200	90.1	96.7	97.3	98.2	99.0	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	90.2	96.9	97.5	98.4	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	90.2	96.9	97.5	98.4	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	90.2	96.9	97.5	98.4	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	90.2	97.0	97.6	98.5	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	90.2	97.0	97.7	98.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	90.3	97.0	97.7	98.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	90.2	97.0	97.7	98.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	90.3	97.0	97.7	98.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	90.2	97.0	97.7	98.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	90.3	97.0	97.7	98.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	90.3	97.0	97.7	98.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS. 2323

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-49, 56-72  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	71.0	74.6	74.9	74.9	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 20000	77.1	81.2	81.4	81.4	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 13000	77.2	81.2	81.5	81.5	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 6000	77.3	81.3	81.6	81.6	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 14000	77.8	81.9	82.1	82.1	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 12000	78.7	83.1	83.4	83.4	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 10000	80.2	84.8	85.2	85.3	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 9000	80.9	86.3	86.7	86.8	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 8000	82.6	88.1	88.5	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1
IV 7000	83.7	89.8	90.2	90.3	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 6000	84.3	90.4	90.8	91.0	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 5000	85.9	92.2	92.6	92.9	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 4500	86.5	92.8	93.3	93.6	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 4000	87.1	93.7	94.3	94.8	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 3500	87.4	94.3	94.9	95.4	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 3000	87.9	95.1	95.7	96.2	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 2500	88.1	95.2	95.9	96.5	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 2000	88.3	95.7	96.5	97.2	97.6	97.7	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1800	88.3	95.7	96.5	97.3	97.8	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1500	88.6	96.0	96.8	97.6	98.1	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1200	88.9	96.4	97.3	98.2	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1000	89.1	96.8	97.7	98.8	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	89.1	96.9	97.8	98.8	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	89.1	96.9	97.8	98.8	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	89.1	96.9	97.8	98.8	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	89.1	96.9	97.8	99.0	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	89.1	96.9	97.8	99.0	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	89.1	96.9	97.8	99.0	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	89.1	96.9	97.8	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	89.1	96.9	97.8	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	89.1	96.9	97.8	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	89.1	96.9	97.8	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2255



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-70  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	65.4	69.6	70.0	70.3	70.4	70.4	70.6	70.7	70.7	70.9	71.0	71.0	71.0	71.0	71.1	71.1
IV 20000	69.0	73.5	74.1	74.3	74.5	74.6	74.8	74.9	74.9	75.1	75.1	75.1	75.2	75.2	75.2	75.3
IV 18000	69.0	73.5	74.1	74.4	74.6	74.6	74.8	74.9	74.9	75.1	75.2	75.2	75.2	75.2	75.3	75.3
IV 16000	69.0	73.5	74.1	74.4	74.6	74.6	74.8	74.9	74.9	75.1	75.2	75.2	75.2	75.2	75.3	75.3
IV 14000	69.3	74.0	74.5	74.8	75.0	75.1	75.3	75.3	75.3	75.6	75.6	75.6	75.7	75.7	75.7	75.7
IV 12000	71.1	75.8	76.4	76.7	76.9	76.9	77.1	77.2	77.2	77.4	77.5	77.5	77.5	77.5	77.6	77.6
IV 10000	72.1	77.1	77.8	78.1	78.4	78.5	78.6	78.7	78.7	78.9	79.0	79.0	79.0	79.0	79.1	79.1
IV 9000	72.7	77.9	78.6	78.9	79.2	79.3	79.4	79.5	79.5	79.8	79.8	79.8	79.8	79.8	79.9	79.9
IV 8000	73.6	79.3	80.0	80.4	80.7	80.8	81.0	81.0	81.0	81.3	81.3	81.3	81.4	81.4	81.4	81.4
IV 7000	74.6	80.6	81.4	81.8	82.2	82.2	82.4	82.5	82.5	82.7	82.8	82.8	82.8	82.8	82.9	82.9
IV 6000	75.6	81.9	82.7	83.1	83.5	83.5	83.7	83.8	83.8	84.0	84.1	84.1	84.1	84.1	84.2	84.2
IV 5000	77.3	84.4	85.3	85.7	86.1	86.1	86.4	86.5	86.5	86.7	86.7	86.7	86.8	86.8	86.8	86.9
IV 4500	77.7	84.8	85.7	86.1	86.5	86.6	86.8	87.0	87.0	87.2	87.2	87.2	87.3	87.3	87.3	87.4
IV 4000	78.7	86.4	87.4	87.8	88.2	88.3	88.5	88.7	88.7	88.9	88.9	88.9	89.0	89.0	89.0	89.1
IV 3500	79.1	87.1	88.2	88.7	89.2	89.2	89.5	89.6	89.6	89.9	89.9	89.9	89.9	89.9	90.0	90.0
IV 3000	79.8	88.2	89.5	90.1	90.7	90.7	91.1	91.2	91.2	91.4	91.5	91.5	91.5	91.5	91.5	91.6
IV 2500	80.0	88.7	90.0	90.7	91.3	91.3	91.6	91.8	91.8	92.0	92.0	92.0	92.1	92.1	92.1	92.2
IV 2000	80.6	90.0	91.4	92.0	92.9	92.9	93.2	93.4	93.4	93.6	93.7	93.7	93.7	93.7	93.8	93.8
IV 1800	80.9	90.3	91.6	92.3	93.2	93.2	93.5	93.7	93.7	93.9	94.0	94.0	94.0	94.0	94.1	94.1
IV 1500	81.3	90.9	92.4	93.1	94.0	94.0	94.3	94.5	94.5	94.8	94.8	94.8	94.9	94.9	94.9	95.0
IV 1200	81.7	92.0	93.7	94.5	95.4	95.5	95.8	96.0	96.0	96.3	96.4	96.4	96.4	96.4	96.4	96.5
IV 1000	82.1	92.8	94.6	95.4	96.3	96.4	96.7	96.9	96.9	97.2	97.2	97.2	97.3	97.3	97.3	97.4
IV 900	82.2	93.0	94.7	95.5	96.5	96.5	96.9	97.1	97.1	97.4	97.4	97.4	97.5	97.5	97.5	97.6
IV 800	82.3	93.1	94.9	95.8	96.8	96.8	97.2	97.3	97.3	97.6	97.7	97.7	97.7	97.7	97.8	97.8
IV 700	82.3	93.2	95.0	95.9	97.0	97.1	97.5	97.7	97.7	98.0	98.0	98.0	98.1	98.1	98.1	98.2
IV 600	82.4	93.7	95.5	96.5	97.6	97.7	98.1	98.3	98.3	98.6	98.7	98.7	98.7	98.7	98.8	98.8
IV 500	82.4	93.8	95.6	96.7	97.9	98.0	98.4	98.6	98.6	99.0	99.0	99.0	99.1	99.1	99.1	99.2
IV 400	82.4	93.8	95.6	96.8	98.0	98.1	98.5	98.7	98.7	99.1	99.2	99.2	99.2	99.2	99.3	99.4
IV 300	82.4	93.8	95.6	96.8	98.0	98.1	98.7	98.9	98.9	99.4	99.4	99.4	99.5	99.5	99.6	99.6
IV 200	82.4	93.8	95.6	96.8	98.1	98.2	98.7	99.0	99.1	99.6	99.6	99.6	99.7	99.7	99.8	99.8
IV 100	82.4	93.8	95.6	96.8	98.1	98.2	98.7	99.0	99.1	99.6	99.6	99.7	99.8	99.8	99.9	99.9
IV 0	82.4	93.8	95.6	96.8	98.1	98.2	98.7	99.0	99.1	99.6	99.6	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

2247

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-49,56-72  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	59.9	65.5	66.3	66.8	67.3	67.3	67.8	67.9	67.9	68.3	68.3	68.3	68.6	68.6	68.8	69.1
IV 20000	63.3	69.3	70.2	70.7	71.2	71.3	71.7	71.8	71.8	72.2	72.3	72.3	72.5	72.5	72.8	73.1
IV 18000	63.4	69.3	70.3	70.7	71.3	71.4	71.8	71.9	71.9	72.3	72.4	72.4	72.6	72.6	72.8	73.2
IV 16000	63.5	69.4	70.4	70.8	71.4	71.4	71.9	72.0	72.0	72.4	72.5	72.5	72.7	72.7	72.9	73.2
IV 14000	63.7	69.6	70.5	71.0	71.6	71.6	72.1	72.2	72.2	72.6	72.6	72.6	72.8	72.8	73.1	73.4
IV 12000	65.2	71.2	72.3	72.8	73.3	73.4	73.8	73.9	73.9	74.3	74.4	74.4	74.6	74.6	74.9	75.2
IV 10000	66.4	72.7	73.8	74.3	75.0	75.0	75.5	75.6	75.6	76.0	76.0	76.0	76.3	76.3	76.5	76.8
IV 9000	66.8	73.2	74.3	74.8	75.5	75.5	76.0	76.1	76.1	76.5	76.5	76.5	76.7	76.7	77.0	77.3
IV 8000	68.8	75.6	76.7	77.3	78.0	78.1	78.5	78.7	78.7	79.1	79.1	79.1	79.3	79.3	79.6	79.9
IV 7000	69.3	76.4	77.5	78.1	79.0	79.1	79.5	79.6	79.6	80.0	80.1	80.1	80.3	80.3	80.5	80.8
IV 6000	70.5	77.8	79.1	79.7	80.5	80.6	81.0	81.2	81.2	81.5	81.6	81.6	81.8	81.8	82.1	82.4
IV 5000	72.1	80.1	81.5	82.1	83.0	83.0	83.5	83.6	83.6	84.0	84.1	84.1	84.3	84.3	84.6	84.9
IV 4500	72.5	80.5	81.9	82.5	83.4	83.4	83.9	84.0	84.0	84.4	84.5	84.5	84.7	84.7	85.0	85.3
IV 4000	73.0	81.6	83.2	84.0	84.9	84.9	85.4	85.5	85.5	85.9	86.0	86.0	86.2	86.2	86.4	86.8
IV 3500	73.3	82.2	83.8	84.7	85.7	85.7	86.2	86.3	86.3	86.7	86.8	86.8	87.0	87.0	87.2	87.5
IV 3000	73.9	83.3	84.9	85.9	86.9	86.9	87.4	87.5	87.5	88.0	88.0	88.0	88.2	88.2	88.5	88.8
IV 2500	74.2	83.9	85.6	86.6	87.7	87.7	88.2	88.3	88.3	88.8	88.8	88.8	89.0	89.0	89.3	89.6
IV 2000	75.0	85.1	87.0	88.1	89.4	89.4	89.9	90.0	90.0	90.5	90.5	90.5	90.7	90.7	91.0	91.3
IV 1800	75.2	85.4	87.2	88.3	89.6	89.7	90.2	90.3	90.3	90.7	90.8	90.8	91.0	91.0	91.3	91.6
IV 1500	75.6	86.4	88.5	89.6	90.9	91.0	91.5	91.6	91.6	92.0	92.1	92.1	92.3	92.3	92.6	92.9
IV 1200	76.0	87.4	89.7	90.9	92.3	92.3	92.8	92.9	92.9	93.4	93.4	93.4	93.7	93.7	93.9	94.2
IV 1000	76.2	88.0	90.5	91.6	93.2	93.3	93.8	93.9	93.9	94.5	94.5	94.5	94.8	94.8	95.1	95.4
IV 900	76.3	88.5	91.1	92.3	93.9	93.9	94.4	94.6	94.6	95.1	95.2	95.2	95.5	95.5	95.7	96.0
IV 800	76.3	88.7	91.4	92.6	94.2	94.4	94.9	95.0	95.1	95.7	95.7	95.7	96.0	96.0	96.2	96.5
IV 700	76.5	89.0	91.8	93.1	94.8	94.9	95.5	95.6	95.7	96.3	96.3	96.3	96.6	96.6	96.9	97.2
IV 600	76.5	89.3	92.3	93.7	95.3	95.4	96.0	96.1	96.2	96.8	96.8	96.8	97.2	97.2	97.4	97.7
IV 500	76.5	89.4	92.5	94.1	95.8	95.9	96.5	96.6	96.7	97.4	97.5	97.5	97.8	97.8	98.0	98.3
IV 400	76.6	89.6	92.7	94.4	96.2	96.4	97.0	97.1	97.2	97.9	98.0	98.0	98.3	98.3	98.6	98.9
IV 300	76.6	89.6	92.8	94.5	96.3	96.5	97.2	97.5	97.6	98.3	98.4	98.4	98.8	98.8	99.0	99.4
IV 200	76.6	89.6	92.8	94.5	96.3	96.5	97.2	97.6	97.6	98.3	98.4	98.4	98.8	98.8	99.1	99.5
IV 100	76.6	89.6	92.8	94.5	96.3	96.5	97.2	97.6	97.6	98.3	98.4	98.4	98.8	98.8	99.1	99.8
IV 0	76.6	89.6	92.8	94.5	96.3	96.5	97.2	97.6	97.6	98.3	98.4	98.4	98.8	98.8	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2287

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.7	54.8	56.3	57.2	57.8	57.9	58.2	58.2	58.2	58.4	58.5	58.5	58.8	58.8	59.1	59.4
IV 20000	50.0	60.4	62.4	63.5	64.2	64.3	64.7	64.7	64.7	64.9	65.0	65.0	65.3	65.3	65.5	65.8
IV 18000	50.0	60.5	62.4	63.6	64.3	64.4	64.7	64.8	64.8	64.9	65.0	65.0	65.3	65.3	65.6	65.9
IV 16000	50.0	60.5	62.5	63.6	64.3	64.4	64.8	64.8	64.8	65.0	65.0	65.0	65.4	65.4	65.6	65.9
IV 14000	50.3	60.8	62.7	63.9	64.6	64.7	65.0	65.1	65.1	65.2	65.3	65.3	65.6	65.6	65.9	66.2
IV 12000	51.7	62.4	64.4	65.6	66.4	66.5	66.9	66.9	66.9	67.1	67.1	67.2	67.5	67.5	67.7	68.1
IV 10000	53.1	64.0	66.0	67.2	68.1	68.2	68.6	68.6	68.6	68.8	68.9	69.0	69.3	69.3	69.6	69.9
IV 9000	53.6	64.7	66.7	67.9	68.8	68.9	69.2	69.3	69.3	69.5	69.6	69.6	70.0	70.0	70.3	70.6
IV 8000	55.9	67.4	69.6	70.9	71.8	71.9	72.2	72.3	72.3	72.5	72.6	72.6	73.0	73.0	73.2	73.6
IV 7000	57.2	69.0	71.3	72.6	73.6	73.8	74.2	74.3	74.3	74.5	74.7	74.7	75.0	75.0	75.3	75.6
IV 6000	58.5	70.6	73.0	74.3	75.3	75.5	75.9	75.9	76.0	76.2	76.4	76.4	76.7	76.7	77.0	77.3
IV 5000	59.9	72.8	75.3	76.8	77.8	78.0	78.5	78.5	78.5	78.8	78.9	78.9	79.3	79.3	79.6	79.9
IV 4500	60.2	73.1	75.7	77.1	78.1	78.3	78.8	78.8	78.9	79.1	79.2	79.3	79.6	79.6	79.9	80.2
IV 4000	61.2	74.8	77.4	78.8	80.0	80.2	80.7	80.8	80.8	81.0	81.2	81.2	81.6	81.6	81.9	82.2
IV 3500	61.5	75.2	77.8	79.3	80.5	80.8	81.3	81.4	81.4	81.6	81.8	81.8	82.2	82.2	82.5	82.8
IV 3000	62.1	76.5	79.2	80.8	82.1	82.5	83.1	83.1	83.1	83.4	83.5	83.5	83.9	83.9	84.2	84.5
IV 2500	62.7	77.6	80.4	82.1	83.3	83.7	84.3	84.4	84.4	84.6	84.8	84.8	85.2	85.2	85.4	85.8
IV 2000	63.6	79.0	81.9	83.8	85.1	85.4	86.1	86.1	86.2	86.5	86.6	86.7	87.0	87.0	87.3	87.6
IV 1800	64.0	79.5	82.4	84.4	85.7	86.0	86.7	86.7	86.8	87.1	87.2	87.3	87.6	87.6	87.9	88.2
IV 1500	64.3	80.3	83.2	85.2	86.6	86.9	87.7	87.7	87.8	88.1	88.2	88.2	88.6	88.6	88.9	89.2
IV 1200	65.1	81.9	85.0	87.0	88.4	88.7	89.6	89.7	89.7	90.0	90.1	90.2	90.5	90.5	90.8	91.1
IV 1000	65.6	82.9	86.4	88.6	90.2	90.5	91.5	91.5	91.6	91.9	92.1	92.1	92.5	92.5	92.8	93.1
IV 900	65.7	83.5	87.0	89.2	90.9	91.3	92.3	92.3	92.4	92.8	92.9	93.0	93.3	93.3	93.6	93.9
IV 800	65.9	83.7	87.5	89.9	91.6	92.0	93.0	93.1	93.1	93.5	93.7	93.7	94.1	94.1	94.4	94.7
IV 700	66.0	84.0	87.7	90.1	92.0	92.3	93.5	93.6	93.7	94.1	94.3	94.3	94.7	94.7	95.0	95.3
IV 600	66.2	84.5	88.3	90.7	92.6	93.0	94.3	94.5	94.5	95.0	95.2	95.2	95.6	95.6	95.9	96.2
IV 500	66.3	85.0	89.0	91.6	93.9	94.4	95.9	96.1	96.2	96.8	97.1	97.2	97.6	97.6	98.0	98.3
IV 400	66.3	85.0	89.0	91.6	93.9	94.5	96.0	96.2	96.4	97.2	97.6	97.7	98.1	98.1	98.5	99.0
IV 300	66.3	85.0	89.0	91.6	93.9	94.5	96.0	96.2	96.4	97.2	97.6	97.7	98.1	98.1	98.5	99.0
IV 200	66.3	85.0	89.0	91.6	93.9	94.5	96.0	96.2	96.4	97.2	97.6	97.7	98.1	98.1	98.5	99.0
IV 100	66.3	85.0	89.0	91.6	93.9	94.5	96.0	96.2	96.4	97.2	97.6	97.7	98.1	98.1	98.5	99.0
IV 0	66.3	85.0	89.0	91.6	93.9	94.5	96.0	96.2	96.4	97.2	97.6	97.7	98.1	98.1	98.5	99.0

TOTAL NUMBER OF OBSERVATIONS 2474

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	53.0	58.2	58.9	59.1	59.2	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.5
≥ 20000	58.4	64.6	65.5	65.8	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2
IV 18000	58.4	64.6	65.6	65.9	66.0	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 16000	58.4	64.7	65.6	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3
IV 14000	58.7	65.1	66.0	66.3	66.4	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7
IV 12000	60.2	66.8	67.7	68.1	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5
IV 10000	62.0	69.0	69.9	70.3	70.5	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.8
IV 9000	62.6	69.8	70.7	71.1	71.4	71.4	71.5	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6
IV 8000	65.2	73.1	74.3	74.7	74.9	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 7000	66.0	74.5	75.7	76.1	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.6
IV 6000	66.3	75.1	76.4	76.9	77.2	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 5000	67.6	76.6	78.0	78.5	78.9	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2
IV 4500	67.9	77.1	78.5	79.0	79.4	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 4000	68.9	78.6	80.1	80.6	80.9	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 3500	69.5	79.5	80.9	81.5	81.9	82.1	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 3000	70.5	81.1	82.5	83.2	83.5	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.0
IV 2500	71.4	82.3	83.9	84.5	84.9	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4
IV 2000	72.6	84.3	86.1	86.8	87.3	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8
IV 1800	73.0	84.9	86.8	87.5	88.0	88.3	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 1500	73.5	86.0	88.0	88.8	89.5	89.8	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1200	74.6	87.8	90.0	91.0	91.8	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1000	75.1	89.3	91.6	92.8	93.9	94.2	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 900	75.2	89.6	92.1	93.4	94.6	94.9	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.3
IV 800	75.4	90.3	92.8	94.2	95.5	95.9	96.2	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 700	75.5	90.5	93.1	94.6	96.0	96.4	96.7	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 600	75.7	91.0	93.8	95.4	96.9	97.4	97.8	98.0	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3
IV 500	75.7	91.2	94.4	95.9	97.5	98.1	98.8	99.0	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	75.7	91.2	94.4	95.9	97.6	98.2	99.0	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	75.7	91.2	94.4	95.9	97.6	98.2	99.0	99.2	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	75.7	91.2	94.4	96.0	97.7	98.3	99.0	99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	100.0
IV 100	75.7	91.2	94.4	96.0	97.7	98.3	99.0	99.3	99.4	99.7	99.9	99.9	99.9	99.9	100.0	100.0
IV 0	75.7	91.2	94.4	96.0	97.7	98.3	99.0	99.3	99.4	99.7	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2514

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	56.9	59.3	59.6	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 2000"	65.0	68.1	68.4	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 18000	65.1	68.1	68.5	68.8	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 16000	65.1	68.1	68.5	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 14000	65.4	68.5	68.9	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 12000	66.6	70.0	70.4	70.7	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 10000	68.9	72.0	72.4	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 9000	69.0	72.4	72.8	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 8000	70.7	74.8	75.2	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 7000	71.6	76.0	76.4	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 6000	72.2	77.0	77.4	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 5000	73.4	78.4	78.9	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 4500	74.1	79.1	79.6	80.1	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 4000	75.6	81.1	81.6	82.2	82.5	82.5	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 3500	76.3	82.0	82.6	83.2	83.5	83.5	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 3000	78.0	84.5	85.0	85.7	86.1	86.1	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 2500	78.8	85.7	86.4	87.1	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 2000	80.9	88.4	89.4	90.2	90.7	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1800	81.3	89.2	90.2	90.9	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1500	82.0	90.5	91.6	92.4	93.2	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1200	82.9	92.1	93.3	94.1	95.0	95.1	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1000	83.4	93.3	94.6	95.5	96.7	96.9	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 900	83.4	93.8	95.2	96.1	97.3	97.5	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 800	83.5	94.2	95.6	96.7	98.0	98.2	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 700	83.5	94.2	95.8	96.8	98.1	98.4	98.7	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	83.6	94.4	96.2	97.4	98.7	99.0	99.3	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	83.6	94.5	96.4	97.6	99.0	99.2	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	83.6	94.5	96.4	97.6	99.0	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	83.6	94.5	96.4	97.6	99.0	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	83.6	94.5	96.4	97.6	99.0	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	83.6	94.5	96.4	97.6	99.0	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	83.6	94.5	96.4	97.6	99.0	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2518

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 0
NO CEILING	58.6	60.8	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 20000	66.3	69.7	70.0	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4
IV 18000	66.6	69.9	70.2	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.6
IV 16000	66.6	69.5	70.2	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.6
IV 14000	67.3	70.6	71.0	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.4	71.4	71.4	71.4	71.4
IV 12000	68.8	72.3	72.6	72.6	72.8	72.8	72.8	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0
IV 10000	71.3	75.1	75.5	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9
IV 9000	71.8	75.8	76.2	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6
IV 8000	73.9	78.3	78.7	78.8	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1
IV 7000	74.8	79.4	79.8	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.3	80.3	80.3	80.3	80.3
IV 6000	76.1	80.9	81.4	81.5	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8
IV 5000	77.5	82.7	83.2	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.7	83.7	83.7	83.7	83.7
IV 4500	78.0	83.4	83.9	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.5	84.5	84.5	84.5	84.5
IV 4000	80.2	86.2	86.6	86.8	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3
IV 3500	81.2	87.5	87.9	88.1	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6
IV 3000	82.4	89.2	89.7	89.9	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4
IV 2500	83.3	90.3	90.8	91.1	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.8	91.8	91.8	91.8	91.8
IV 2000	84.7	92.2	92.8	93.0	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.8	93.8	93.8	93.8	93.8
IV 1800	84.9	92.6	93.1	93.4	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2
IV 1500	85.3	93.4	94.1	94.5	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2
IV 1200	86.0	94.8	95.6	96.1	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8
IV 1000	86.0	95.4	96.3	97.0	97.6	97.7	97.8	97.9	97.9	97.9	97.9	98.1	98.2	98.2	98.2	98.2
IV 900	86.2	95.9	96.8	97.4	98.0	98.1	98.3	98.4	98.4	98.4	98.4	98.5	98.7	98.7	98.7	98.7
IV 800	86.2	96.0	97.0	97.7	98.4	98.5	98.8	98.9	98.9	98.9	98.9	99.1	99.2	99.2	99.2	99.2
IV 700	86.2	96.0	97.1	97.8	98.5	98.6	99.0	99.1	99.1	99.1	99.1	99.3	99.4	99.4	99.4	99.4
IV 600	86.2	96.1	97.2	98.1	98.8	98.9	99.4	99.5	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8
IV 500	86.2	96.1	97.2	98.1	98.9	99.0	99.6	99.6	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0
IV 400	86.2	96.1	97.2	98.1	98.9	99.0	99.6	99.6	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0
IV 300	86.2	96.1	97.2	98.1	98.9	99.0	99.6	99.6	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0
IV 200	85.2	96.1	97.2	98.1	98.9	99.0	99.6	99.6	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0
IV 100	86.2	96.1	97.2	98.1	98.9	99.0	99.6	99.6	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0
IV 0	86.2	96.1	97.2	98.1	98.9	99.0	99.6	99.6	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2497

USAF ETAC

FORM  
JUL 64

0-14-5 (OLA)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-45,47-49,56-72  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	62.6	65.3	65.6	65.7	65.7	63.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 20000	70.3	73.8	74.1	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5
IV 18000	70.5	74.1	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 16000	70.7	74.3	74.5	74.7	74.8	74.8	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 14000	71.2	75.0	75.2	75.3	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 12000	72.4	76.6	76.8	77.0	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 10000	74.7	79.1	79.5	79.7	79.8	79.8	79.8	79.8	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0
IV 9000	75.1	79.6	80.0	80.2	80.3	80.3	80.3	80.3	80.3	80.4	80.5	80.5	80.5	80.5	80.5	80.5
IV 8000	76.7	81.4	81.8	82.0	82.1	82.1	82.1	82.1	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.3
IV 7000	78.4	83.2	83.6	83.8	83.9	83.9	83.9	83.9	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1
IV 6000	79.8	84.7	85.1	85.3	85.4	85.4	85.4	85.4	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.6
IV 5000	80.8	85.9	86.4	86.7	86.9	86.9	86.9	86.9	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.1
IV 4500	81.4	86.8	87.3	87.6	87.8	87.9	87.9	87.9	87.9	88.0	88.1	88.1	88.1	88.1	88.1	88.1
IV 4000	82.4	88.5	89.2	89.5	89.8	89.8	89.8	89.8	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 3500	83.0	89.4	90.2	90.5	90.9	90.9	90.9	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 3000	83.7	90.6	91.4	91.8	92.2	92.2	92.2	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 2500	84.2	91.3	92.1	92.5	93.0	93.0	93.2	93.2	93.2	93.4	93.4	93.4	93.5	93.5	93.5	93.5
IV 2000	84.6	92.3	93.3	93.7	94.3	94.4	94.5	94.6	94.6	94.7	94.7	94.7	94.8	94.8	94.8	94.8
IV 1800	84.6	92.5	93.6	94.1	94.7	94.8	95.0	95.0	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2
IV 1500	85.0	93.3	94.4	95.0	95.7	95.8	95.9	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1200	85.4	94.1	95.3	95.8	96.5	96.7	96.9	97.0	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.2
IV 1000	85.7	95.0	96.1	96.8	97.7	97.9	98.1	98.2	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.6
IV 900	85.8	95.0	96.2	96.9	97.8	97.9	98.2	98.3	98.3	98.4	98.5	98.5	98.6	98.6	98.6	98.7
IV 800	85.9	95.2	96.3	97.4	98.2	98.4	98.8	98.8	98.8	99.1	99.1	99.1	99.3	99.3	99.3	99.4
IV 700	85.9	95.3	96.4	97.4	98.4	98.5	98.9	99.0	99.0	99.2	99.3	99.3	99.4	99.4	99.4	99.5
IV 600	85.9	95.3	96.5	97.5	98.5	98.7	99.0	99.1	99.1	99.3	99.4	99.4	99.6	99.6	99.6	99.6
IV 500	85.9	95.3	96.5	97.5	98.6	98.8	99.1	99.2	99.2	99.4	99.5	99.5	99.7	99.7	99.7	99.8
IV 400	85.9	95.3	96.5	97.5	98.6	98.8	99.2	99.3	99.3	99.5	99.6	99.6	99.8	99.8	99.8	99.9
IV 300	85.9	95.3	96.5	97.5	98.7	98.9	99.3	99.4	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9
IV 200	85.9	95.3	96.5	97.5	98.7	98.9	99.3	99.4	99.4	99.6	99.7	99.7	99.9	99.9	99.9	100.0
IV 100	85.9	95.3	96.5	97.5	98.7	98.9	99.3	99.4	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0
IV 0	85.9	95.3	96.5	97.5	98.7	98.9	99.3	99.4	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2340

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	67.4	70.7	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 20000	72.5	76.2	76.6	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 18000	72.7	76.4	76.8	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 16000	72.8	76.5	76.9	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 14000	73.1	76.8	77.2	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 12000	74.0	77.9	78.4	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 10000	76.1	80.7	81.1	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 9000	76.7	81.3	81.7	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 8000	78.0	82.9	83.3	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 7000	79.1	84.2	84.6	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 6000	80.2	85.5	85.9	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 5000	81.5	87.2	87.9	88.2	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 4500	82.1	87.8	88.6	89.0	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 4000	83.6	89.7	90.7	91.1	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 3500	84.0	90.5	91.5	91.9	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 3000	84.7	91.7	92.8	93.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8
IV 2500	84.9	92.2	93.3	93.7	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 2000	85.1	92.7	93.9	94.4	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.1	95.1	95.1
IV 1800	85.2	92.9	94.1	94.6	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.4
IV 1500	85.5	93.6	94.8	95.3	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1
IV 1200	85.7	94.1	95.5	96.0	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9
IV 1000	86.4	95.2	96.6	97.2	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.3
IV 900	86.4	95.2	96.7	97.4	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.4	98.4	98.4
IV 800	86.4	95.5	97.0	97.7	98.4	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.8	98.8
IV 700	86.5	95.6	97.0	97.8	98.5	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9
IV 600	86.6	95.7	97.3	98.0	98.9	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.3	99.3	99.3
IV 500	86.6	95.8	97.5	98.2	99.2	99.2	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.6	99.6	99.6
IV 400	86.6	95.8	97.5	98.2	99.2	99.2	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.7	99.8	99.8
IV 300	86.6	95.8	97.5	98.2	99.2	99.2	99.5	99.5	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9
IV 200	86.6	95.8	97.5	98.2	99.2	99.2	99.5	99.5	99.5	99.6	99.8	99.8	99.8	99.9	100.0	100.0
IV 100	86.6	95.8	97.5	98.2	99.2	99.2	99.5	99.5	99.5	99.6	99.8	99.8	99.8	99.9	100.0	100.0
IV 0	86.6	95.8	97.5	98.2	99.2	99.2	99.5	99.5	99.5	99.6	99.8	99.8	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2271



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-49,56-70  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	64.7	70.0	70.7	71.3	71.7	71.7	71.8	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.2	72.5
≥ 20000	67.6	73.7	74.5	75.1	75.5	75.5	75.7	75.7	75.7	75.9	76.0	76.0	76.0	76.0	76.1	76.4
IV 18000	67.6	73.7	74.5	75.1	75.5	75.5	75.7	75.7	75.7	75.9	76.0	76.0	76.0	76.0	76.1	76.4
IV 16000	67.6	73.8	74.5	75.2	75.5	75.6	75.7	75.7	75.7	75.9	76.0	76.0	76.0	76.0	76.2	76.4
IV 14000	67.7	73.9	74.7	75.3	75.7	75.8	75.9	75.9	75.9	76.1	76.2	76.2	76.2	76.2	76.4	76.6
IV 12000	68.8	75.2	75.9	76.6	77.0	77.0	77.1	77.1	77.1	77.3	77.4	77.4	77.4	77.4	77.6	77.9
IV 10000	70.6	77.2	77.9	78.6	78.9	79.0	79.1	79.1	79.1	79.3	79.4	79.4	79.4	79.4	79.6	79.8
IV 9000	71.1	77.6	78.4	79.0	79.4	79.5	79.6	79.6	79.6	79.8	79.9	79.9	79.9	79.9	80.1	80.3
IV 8000	72.2	79.0	79.7	80.4	80.8	80.9	81.0	81.0	81.0	81.2	81.3	81.3	81.3	81.3	81.5	81.7
IV 7000	73.1	80.2	80.9	81.7	82.0	82.1	82.2	82.2	82.2	82.4	82.5	82.5	82.5	82.5	82.7	82.9
IV 6000	73.9	81.6	82.4	83.2	83.5	83.6	83.7	83.7	83.7	83.9	84.0	84.0	84.0	84.0	84.2	84.5
IV 5000	75.2	83.5	84.6	85.4	85.9	85.9	86.0	86.1	86.1	86.3	86.4	86.4	86.4	86.4	86.6	86.8
IV 4500	75.6	84.1	85.3	86.2	86.6	86.6	86.8	86.8	86.8	87.0	87.1	87.1	87.1	87.1	87.3	87.6
IV 4000	76.4	85.1	86.5	87.3	87.8	87.9	88.0	88.0	88.0	88.2	88.3	88.3	88.3	88.3	88.5	88.8
IV 3500	77.0	85.9	87.3	88.2	88.7	88.8	88.9	88.9	88.9	89.1	89.2	89.2	89.2	89.2	89.4	89.7
IV 3000	77.9	87.0	88.7	89.8	90.2	90.3	90.4	90.4	90.4	90.7	90.7	90.7	90.7	90.7	90.9	91.2
IV 2500	78.6	87.9	89.6	90.7	91.2	91.3	91.4	91.4	91.4	91.6	91.7	91.7	91.7	91.7	91.9	92.2
IV 2000	79.3	88.9	90.7	91.8	92.4	92.5	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	93.1	93.4
IV 1800	79.7	89.3	91.1	92.2	92.8	92.9	93.0	93.0	93.0	93.2	93.3	93.3	93.3	93.3	93.5	93.8
IV 1500	80.1	89.8	91.7	92.8	93.5	93.5	93.7	93.7	93.7	93.9	94.0	94.0	94.0	94.0	94.2	94.4
IV 1200	80.5	90.4	92.5	93.9	94.6	94.6	94.7	94.8	94.8	95.0	95.1	95.1	95.1	95.1	95.3	95.5
IV 1000	80.7	91.1	93.4	94.7	95.5	95.6	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.2	96.5
IV 900	80.9	91.4	93.7	95.1	96.0	96.0	96.2	96.3	96.3	96.5	96.6	96.6	96.6	96.6	96.7	97.0
IV 800	81.1	91.6	94.0	95.6	96.4	96.5	96.7	96.8	96.8	97.0	97.1	97.1	97.1	97.1	97.2	97.5
IV 700	81.1	91.8	94.3	96.0	96.9	97.0	97.3	97.4	97.4	97.6	97.7	97.7	97.7	97.7	97.8	98.1
IV 600	81.1	91.9	94.5	96.2	97.2	97.2	97.6	97.6	97.6	97.8	97.9	97.9	97.9	98.0	98.1	98.4
IV 500	81.1	91.9	94.5	96.3	97.3	97.4	97.8	97.9	98.0	98.3	98.4	98.4	98.4	98.4	98.6	98.9
IV 400	81.1	92.0	94.6	96.4	97.5	97.5	98.0	98.1	98.2	98.5	98.6	98.6	98.7	98.7	98.8	99.1
IV 300	81.1	92.0	94.6	96.4	97.5	97.6	98.1	98.2	98.2	98.7	98.8	98.8	98.8	98.8	99.0	99.3
IV 200	81.1	92.0	94.6	96.5	97.5	97.6	98.2	98.3	98.4	98.8	99.1	99.1	99.2	99.2	99.4	99.7
IV 100	81.1	92.0	94.6	96.5	97.5	97.6	98.2	98.3	98.4	98.8	99.1	99.1	99.2	99.2	99.4	99.7
IV 0	81.1	92.0	94.6	96.5	97.5	97.6	98.2	98.3	98.4	98.8	99.2	99.2	99.3	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2322

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	59.5	65.5	67.1	68.1	68.7	68.7	69.0	69.0	69.0	69.4	69.6	69.6	69.8	69.8	70.0	70.4
≥ 20000	62.8	69.3	71.0	72.0	72.6	72.6	73.0	73.0	73.0	73.4	73.6	73.6	73.9	73.9	74.0	74.4
IV 18000	52.8	69.3	71.0	72.0	72.6	72.6	73.0	73.0	73.0	73.4	73.6	73.6	73.9	73.9	74.0	74.4
IV 16000	62.9	69.5	71.1	72.1	72.8	72.8	73.1	73.1	73.1	73.5	73.7	73.7	74.0	74.0	74.2	74.5
IV 14000	63.3	69.9	71.6	72.6	73.2	73.2	73.6	73.6	73.6	74.0	74.2	74.2	74.5	74.5	74.6	75.0
IV 12000	64.4	71.3	73.0	74.0	74.6	74.6	75.0	75.0	75.0	75.4	75.6	75.6	75.9	75.9	76.0	76.4
IV 10000	65.8	72.9	74.6	75.6	76.3	76.3	76.7	76.7	76.7	77.1	77.3	77.3	77.6	77.6	77.7	78.1
IV 9000	66.2	73.4	75.1	76.2	76.8	76.8	77.2	77.2	77.2	77.6	77.8	77.8	78.1	78.1	78.2	78.6
IV 8000	67.1	74.9	76.6	77.6	78.3	78.3	78.6	78.7	78.7	79.1	79.3	79.3	79.6	79.6	79.8	80.1
IV 7000	68.2	76.3	78.1	79.1	79.8	79.8	80.1	80.2	80.3	80.6	80.9	80.9	81.2	81.2	81.3	81.7
IV 6000	69.5	78.0	79.9	81.0	81.7	81.7	82.0	82.1	82.1	82.5	82.7	82.7	83.0	83.0	83.1	83.5
IV 5000	70.4	79.3	81.4	82.5	83.2	83.2	83.5	83.6	83.7	84.0	84.2	84.2	84.5	84.5	84.7	85.0
IV 4500	71.0	80.1	82.3	83.4	84.1	84.1	84.4	84.5	84.5	84.9	85.1	85.1	85.4	85.4	85.6	85.9
IV 4000	71.6	80.9	83.2	84.3	85.0	85.0	85.4	85.5	85.5	85.9	86.1	86.1	86.4	86.4	86.5	86.9
IV 3500	72.2	81.6	84.0	85.1	85.9	85.9	86.2	86.3	86.4	86.7	87.0	87.0	87.3	87.3	87.4	87.8
IV 3000	72.8	82.5	84.9	86.1	86.8	86.8	87.3	87.3	87.4	87.8	88.0	88.0	88.3	88.3	88.4	88.8
IV 2500	73.3	83.4	85.9	87.1	87.8	87.8	88.2	88.3	88.4	88.7	88.9	88.9	89.2	89.2	89.4	89.8
IV 2000	74.2	84.6	87.3	88.6	89.4	89.4	89.8	89.9	90.0	90.3	90.6	90.6	90.9	90.9	91.0	91.4
IV 1800	74.6	85.2	87.9	89.4	90.1	90.1	90.6	90.6	90.7	91.1	91.3	91.3	91.6	91.6	91.7	92.1
IV 1500	75.2	86.2	89.0	90.5	91.2	91.2	91.7	91.7	91.8	92.2	92.4	92.4	92.7	92.7	92.8	93.2
IV 1200	75.5	86.9	89.9	91.4	92.2	92.2	92.7	92.8	92.8	93.2	93.4	93.4	93.7	93.7	93.9	94.2
IV 1000	75.7	87.3	90.5	92.0	93.0	93.0	93.5	93.6	93.6	94.0	94.3	94.3	94.6	94.6	94.7	95.1
IV 900	75.9	87.8	91.1	92.7	93.9	94.0	94.5	94.6	94.6	95.0	95.3	95.3	95.6	95.6	95.7	96.1
IV 800	76.1	88.3	91.7	93.3	94.6	94.7	95.2	95.3	95.3	95.8	96.0	96.0	96.3	96.3	96.4	96.8
IV 700	76.3	88.5	91.9	93.6	95.2	95.3	95.8	95.9	96.0	96.4	96.7	96.7	97.0	97.0	97.1	97.5
IV 600	76.4	88.7	92.1	94.0	95.6	95.6	96.2	96.4	96.4	96.9	97.1	97.1	97.4	97.4	97.5	97.9
IV 500	76.4	88.9	92.4	94.4	96.1	96.2	96.8	97.0	97.0	97.6	97.8	97.8	98.1	98.1	98.3	98.6
IV 400	76.4	89.0	92.5	94.4	96.3	96.4	97.0	97.1	97.2	97.8	98.1	98.1	98.5	98.5	98.6	99.0
IV 300	76.4	89.1	92.5	94.5	96.4	96.5	97.1	97.2	97.3	98.1	98.4	98.4	98.8	98.8	98.9	99.4
IV 200	76.4	89.1	92.5	94.5	96.5	96.6	97.2	97.3	97.4	98.1	98.5	98.5	98.9	98.9	99.2	99.6
IV 100	76.4	89.1	92.5	94.5	96.5	96.6	97.2	97.3	97.4	98.1	98.5	98.5	98.9	98.9	99.2	99.7
IV 0	76.4	89.1	92.5	94.5	96.5	96.6	97.2	97.3	97.4	98.2	98.5	98.5	98.9	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 2361

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING ≥ 20000	47.3	55.2	57.0	58.6	59.8	59.9	60.1	60.4	60.4	60.9	61.0	61.0	61.3	61.4	61.5	62.0
≥ 18000	52.3	61.3	63.1	64.8	66.2	66.3	66.5	66.8	66.8	67.3	67.5	67.5	67.9	68.0	68.1	68.5
≥ 16000	52.3	61.4	63.2	64.9	66.3	66.4	66.6	66.9	66.9	67.4	67.6	67.6	68.0	68.1	68.2	68.6
≥ 14000	52.6	61.8	63.7	65.5	66.8	66.9	67.2	67.5	67.5	68.0	68.2	68.2	68.6	68.7	68.8	69.2
≥ 12000	54.2	63.5	65.4	67.3	68.6	68.7	68.9	69.2	69.2	69.8	70.0	70.0	70.3	70.4	70.5	71.0
≥ 10000	56.0	65.5	67.3	69.3	70.6	70.7	71.0	71.2	71.2	71.8	72.0	72.0	72.4	72.5	72.6	73.0
≥ 9000	56.5	66.2	68.0	70.0	71.3	71.4	71.7	72.0	72.0	72.5	72.7	72.7	73.1	73.2	73.3	73.7
≥ 8000	58.8	68.9	71.0	73.0	74.5	74.6	74.9	75.1	75.1	75.7	75.9	75.9	76.3	76.4	76.5	76.9
≥ 7000	59.9	70.3	72.5	74.5	76.0	76.1	76.4	76.7	76.7	77.2	77.5	77.5	77.9	77.9	78.1	78.5
≥ 6000	60.8	71.6	73.9	75.9	77.5	77.6	77.9	78.1	78.1	78.7	78.9	78.9	79.3	79.4	79.5	79.9
≥ 5000	62.1	73.2	75.8	77.9	79.6	79.7	79.9	80.2	80.2	80.8	81.0	81.0	81.4	81.5	81.6	82.0
≥ 4500	62.4	73.7	76.3	78.4	80.1	80.2	80.5	80.7	80.7	81.3	81.5	81.5	81.9	82.0	82.1	82.5
≥ 4000	62.9	74.6	77.2	79.4	81.0	81.2	81.4	81.7	81.7	82.3	82.5	82.5	82.9	83.0	83.1	83.5
≥ 3500	63.3	75.2	77.8	80.0	81.6	81.7	82.1	82.4	82.4	82.9	83.2	83.2	83.5	83.6	83.7	84.2
≥ 3000	63.8	76.2	79.0	81.3	83.0	83.1	83.4	83.7	83.7	84.3	84.5	84.5	84.9	85.0	85.1	85.5
≥ 2500	64.1	77.0	79.9	82.2	83.9	84.1	84.4	84.7	84.7	85.3	85.5	85.5	85.9	86.0	86.1	86.5
≥ 2000	65.1	78.5	81.4	83.9	85.7	85.9	86.3	86.5	86.5	87.1	87.3	87.3	87.7	87.8	87.9	88.3
≥ 1800	66.0	79.6	82.5	85.0	86.8	87.0	87.3	87.6	87.6	88.2	88.4	88.4	88.8	88.9	89.0	89.4
≥ 1500	66.8	80.8	84.0	86.6	88.6	88.7	89.1	89.4	89.4	90.0	90.2	90.2	90.6	90.7	90.8	91.2
≥ 1200	67.3	81.7	85.2	87.9	89.9	90.0	90.4	90.7	90.7	91.3	91.6	91.6	92.0	92.0	92.2	92.6
≥ 1000	67.6	82.7	86.3	89.1	91.2	91.3	91.8	92.1	92.1	92.8	93.0	93.1	93.5	93.5	93.7	94.1
≥ 900	67.6	82.9	86.6	89.4	91.6	91.8	92.2	92.6	92.6	93.2	93.5	93.5	93.9	94.0	94.1	94.5
≥ 800	67.7	83.4	87.1	90.1	92.4	92.7	93.1	93.6	93.6	94.2	94.5	94.5	94.9	95.0	95.1	95.5
≥ 700	67.9	83.7	87.7	90.7	93.2	93.5	94.1	94.6	94.6	95.3	95.5	95.5	95.9	96.0	96.1	96.6
≥ 600	67.9	84.0	88.1	91.1	93.7	94.1	94.8	95.3	95.3	96.0	96.3	96.3	96.7	96.8	96.9	97.3
≥ 500	67.9	84.1	88.2	91.3	94.0	94.4	95.4	95.9	96.0	96.8	97.1	97.1	97.6	97.6	97.8	98.2
≥ 400	68.0	84.1	88.2	91.4	94.1	94.6	95.6	96.2	96.3	97.3	97.5	97.6	98.0	98.1	98.2	98.6
≥ 300	68.0	84.2	88.2	91.4	94.2	94.6	95.7	96.3	96.4	97.5	97.8	97.9	98.4	98.5	98.6	99.0
≥ 200	68.0	84.2	88.2	91.5	94.2	94.7	95.8	96.4	96.5	97.7	98.2	98.2	98.8	98.9	99.1	99.5
≥ 100	68.0	84.2	88.2	91.5	94.2	94.7	95.8	96.4	96.5	97.7	98.2	98.2	98.8	98.9	99.2	99.7
≥ 0	68.0	84.2	88.2	91.5	94.2	94.7	95.8	96.4	96.5	97.7	98.2	98.2	98.8	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 2553

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

UCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0500-1100  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.1	59.1	60.2	60.8	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1
IV 20000	58.6	66.6	67.7	68.4	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 18000	58.6	66.6	67.7	68.5	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8
IV 16000	58.6	66.6	67.7	68.5	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8
IV 14000	59.0	67.2	68.4	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.6
IV 12000	60.5	68.8	69.9	70.7	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1
IV 10000	62.5	71.0	72.3	73.1	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5
IV 9000	63.0	71.6	72.8	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.1
IV 8000	65.1	74.2	75.8	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.1
IV 7000	66.2	75.5	77.3	78.1	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.6
IV 6000	67.0	76.6	78.3	79.2	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.7
IV 5000	68.0	78.0	79.8	80.7	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2
IV 4500	68.1	78.1	79.9	80.8	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3
IV 4000	68.4	78.7	80.5	81.4	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9
IV 3500	68.8	79.3	81.2	82.1	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.6
IV 3000	69.7	80.6	82.6	83.6	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.2	84.2	84.2	84.3
IV 2500	70.6	81.8	83.8	84.8	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.5	85.5
IV 2000	71.9	83.5	85.7	87.0	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7
IV 1800	72.5	84.3	86.5	87.9	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.6	88.6	88.6	88.6
IV 1500	73.6	86.2	88.6	90.0	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.8	90.8	90.8	90.8
IV 1200	74.5	88.1	90.9	92.5	93.2	93.4	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.7
IV 1000	74.7	88.8	91.7	93.6	94.5	94.6	94.8	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0
IV 900	74.8	89.1	92.3	94.4	95.5	95.7	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.1
IV 800	74.9	89.4	92.9	95.1	96.3	96.5	96.7	96.8	96.8	96.8	96.8	96.8	97.0	97.0	97.0	97.0
IV 700	74.9	89.5	93.1	95.6	96.8	97.1	97.5	97.7	97.7	97.7	97.8	97.8	97.9	97.9	97.9	98.0
IV 600	74.9	89.5	93.1	95.7	97.2	97.4	98.1	98.3	98.3	98.3	98.5	98.5	98.6	98.6	98.6	98.6
IV 500	74.9	89.6	93.3	95.9	97.5	97.8	98.5	98.8	98.8	98.8	99.0	99.0	99.2	99.2	99.2	99.2
IV 400	74.9	89.6	93.3	96.0	97.5	97.9	98.8	99.0	99.1	99.1	99.5	99.5	99.6	99.6	99.6	99.7
IV 300	74.9	89.6	93.3	96.0	97.6	97.9	98.8	99.1	99.2	99.2	99.7	99.7	99.9	99.9	99.9	99.9
IV 200	74.9	89.6	93.3	96.0	97.6	97.9	98.8	99.1	99.2	99.2	99.7	99.7	99.9	99.9	99.9	100.0
IV 100	74.9	89.6	93.3	96.0	97.6	97.9	98.8	99.1	99.2	99.2	99.7	99.7	99.9	99.9	99.9	100.0
IV 0	74.9	89.6	93.3	96.0	97.6	97.9	98.8	99.1	99.2	99.2	99.7	99.7	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2598

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

JCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOUR-ULST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	57.9	62.6	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 20000	65.0	70.6	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 18000	65.1	70.6	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 16000	65.2	70.7	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 14000	65.8	71.6	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 12000	67.2	73.0	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 10000	69.1	75.2	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 9000	69.9	75.9	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 8000	71.6	78.1	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 7000	72.3	79.1	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 6000	72.8	79.8	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 5000	73.7	81.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 4500	74.3	81.5	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 4000	74.8	82.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 3500	75.7	83.3	84.4	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 3000	77.0	85.2	86.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 2500	78.2	86.7	87.8	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 2000	79.6	88.4	89.6	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1800	79.7	88.7	89.9	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 1500	80.2	89.8	91.3	91.9	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 1200	81.1	91.7	93.4	94.2	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1000	81.3	92.4	94.2	95.4	96.0	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 900	81.3	92.9	94.7	95.9	96.7	96.8	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 800	81.4	93.2	95.2	96.5	97.3	97.6	97.7	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 700	81.5	93.4	95.5	96.9	97.8	98.1	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 600	81.5	93.6	95.7	97.1	98.1	98.4	98.8	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2
IV 500	81.5	93.7	95.7	97.3	98.3	98.7	99.1	99.3	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6
IV 400	81.5	93.7	95.8	97.3	98.4	98.8	99.2	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 300	81.5	93.7	95.8	97.3	98.5	98.8	99.2	99.5	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0
IV 200	81.5	93.7	95.8	97.3	98.5	98.8	99.2	99.5	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0
IV 100	81.5	93.7	95.8	97.3	98.5	98.8	99.2	99.5	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0
IV 0	81.5	93.7	95.8	97.3	98.5	98.8	99.2	99.5	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2588

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49, 56-72  
YEARS

UCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1900-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≤ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	60.3	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 20000	68.5	73.8	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 18000	68.5	73.8	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 16000	68.7	74.0	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 14000	69.1	74.4	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 12000	70.6	76.0	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 10000	72.1	77.6	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 9000	72.5	78.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 8000	74.6	80.4	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 7000	75.7	81.6	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 6000	76.9	83.0	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 5000	78.1	84.7	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 4500	78.4	85.2	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 4000	79.6	86.5	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 3500	80.1	87.1	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 3000	81.1	88.5	89.3	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 2500	81.8	89.6	90.5	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 2000	83.3	91.5	92.5	92.9	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 1800	83.3	91.8	92.9	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1500	83.6	92.6	93.8	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1200	84.0	93.5	94.8	95.6	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1000	84.3	94.2	95.6	96.6	96.9	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 900	84.4	94.6	95.9	97.1	97.5	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800	84.4	94.7	96.2	97.6	98.1	98.1	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 700	84.5	94.9	96.4	97.8	98.3	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 600	84.5	94.9	96.4	98.0	98.5	98.6	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 500	84.5	95.0	96.6	98.1	98.7	98.8	99.0	99.2	99.2	99.3	99.4	99.4	99.5	99.5	99.5	99.5
IV 400	84.5	95.0	96.6	98.1	98.8	99.0	99.2	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	84.5	95.0	96.6	98.1	98.8	99.0	99.2	99.4	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0
IV 200	84.5	95.0	96.6	98.1	98.8	99.0	99.2	99.4	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0
IV 100	84.5	95.0	96.6	98.1	98.8	99.0	99.2	99.4	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0
IV 0	84.5	95.0	96.6	98.1	98.8	99.0	99.2	99.4	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2588

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13347  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-45, 47-49, 56-70, 72  
YEARS

OCT  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ ⅓	≥ ⅕	≥ 0
NO CEILING	64.9	68.7	69.1	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 20000	71.0	75.4	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 18000	71.0	75.5	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 16000	71.0	75.5	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 14000	71.2	75.9	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 12000	72.5	77.4	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 10000	74.3	79.1	79.7	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 9000	74.7	79.7	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 8000	76.1	81.4	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 7000	76.9	82.4	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 6000	77.8	83.4	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 5000	79.2	85.6	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 4500	79.6	86.3	87.0	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 4000	80.3	87.3	88.0	88.4	88.4	88.4	88.4	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6
IV 3500	80.6	87.8	88.5	88.9	89.0	89.0	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 3000	81.8	89.4	90.2	90.8	90.8	90.8	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 2500	82.7	90.4	91.2	91.8	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2000	84.0	92.1	93.1	93.6	93.7	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1800	84.2	92.6	93.6	94.2	94.2	94.2	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1500	84.5	93.0	94.1	94.7	94.8	94.8	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 1200	84.8	93.9	95.0	95.7	96.0	96.0	96.2	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 1000	85.0	94.4	95.6	96.5	96.8	96.8	97.1	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 900	85.1	94.7	96.1	97.1	97.5	97.5	97.8	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 800	85.3	94.9	96.3	97.5	98.0	98.0	98.4	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	85.3	94.9	96.3	97.5	98.1	98.1	98.5	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 600	85.3	95.0	96.4	97.6	98.1	98.3	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	85.3	95.1	96.5	97.7	98.3	98.4	98.9	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	85.3	95.1	96.6	97.8	98.3	98.5	99.1	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	85.3	95.1	96.6	97.8	98.3	98.5	99.1	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	85.3	95.1	96.6	97.8	98.3	98.6	99.2	99.3	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0
IV 100	85.3	95.1	96.6	97.8	98.3	98.6	99.2	99.3	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0
IV 0	85.3	95.1	96.6	97.8	98.3	98.6	99.2	99.3	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2407

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-49,56-70,72  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	67.0	71.5	72.1	72.3	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 20000	70.1	75.4	75.9	76.2	76.3	76.3	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.6
IV 18000	70.1	75.5	76.1	76.3	76.5	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.8
IV 16000	70.1	75.5	76.1	76.3	76.5	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.8
IV 14000	70.1	75.5	76.1	76.4	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.8
IV 12000	71.3	76.9	77.5	77.7	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.2
IV 10000	73.2	78.9	79.5	79.7	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.2
IV 9000	73.6	79.2	79.8	80.2	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.6
IV 8000	74.5	80.6	81.2	81.5	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.9
IV 7000	75.6	81.7	82.3	82.7	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.1
IV 6000	76.5	83.1	83.8	84.1	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.6
IV 5000	77.9	85.1	85.7	86.1	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.6
IV 4500	78.4	85.8	86.4	86.8	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.3
IV 4000	78.9	86.4	87.1	87.5	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.9	87.9	88.0
IV 3500	79.6	87.5	88.2	88.7	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.2	89.3
IV 3000	80.7	89.1	89.9	90.5	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.1
IV 2500	81.1	89.8	90.7	91.3	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.9
IV 2000	81.8	90.9	91.8	92.5	92.8	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0
IV 1800	82.1	91.6	92.5	93.2	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.7	93.7	93.8
IV 1500	82.6	92.4	93.4	94.1	94.4	94.4	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.8
IV 1200	82.9	93.0	94.2	95.0	95.3	95.3	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.7
IV 1000	83.1	93.8	95.0	95.8	96.2	96.2	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.7
IV 900	83.1	94.0	95.2	96.1	96.6	96.7	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.2
IV 800	83.2	94.3	95.6	96.5	97.1	97.2	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7
IV 700	83.3	94.5	95.9	96.8	97.6	97.7	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.3
IV 600	83.4	94.6	96.0	97.0	97.8	97.9	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.6
IV 500	83.4	94.7	96.2	97.3	98.1	98.1	98.5	98.5	98.6	98.7	98.8	98.8	98.8	98.8	98.8	99.0
IV 400	83.4	94.7	96.2	97.3	98.1	98.2	98.6	98.6	98.9	99.1	99.2	99.2	99.2	99.3	99.3	99.4
IV 300	83.4	94.7	96.2	97.3	98.1	98.2	98.6	98.8	99.0	99.3	99.6	99.6	99.6	99.7	99.7	99.9
IV 200	83.4	94.7	96.2	97.3	98.1	98.2	98.6	98.8	99.0	99.3	99.6	99.6	99.6	99.7	99.7	99.9
IV 100	83.4	94.7	96.2	97.3	98.1	98.2	98.6	98.8	99.0	99.3	99.6	99.6	99.6	99.7	99.7	99.9
IV 0	83.4	94.7	96.2	97.3	98.1	98.2	98.6	98.8	99.0	99.3	99.6	99.6	99.6	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2345



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-49,56-70  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	59.1 63.6	63.7 68.8	64.3 69.2	64.6 69.5	65.0 69.9	65.0 69.9	65.0 70.0	65.0 70.0	65.1 70.0	65.2 70.1	65.4 70.3	65.4 70.4	65.4 70.4	65.4 70.4	65.5 70.4	65.5 70.4
IV 18000 16000	63.6 63.6	68.8 68.9	69.2 69.2	69.5 69.6	69.9 70.0	69.9 70.0	70.0 70.0	70.0 70.0	70.0 70.1	70.1 70.2	70.3 70.4	70.4 70.4	70.4 70.4	70.4 70.4	70.4 70.5	70.4 70.5
IV 14000 12000	64.1 65.4	69.8 71.4	70.2 71.7	70.5 72.1	70.9 72.5	70.9 72.5	71.0 72.5	71.0 72.5	71.0 72.6	71.2 72.7	71.3 72.9	71.4 72.9	71.4 72.9	71.4 72.9	71.4 73.0	71.5 73.0
IV 10000 9000	66.8 67.1	72.9 73.2	73.3 73.6	73.6 73.9	74.0 74.3	74.0 74.3	74.1 74.4	74.1 74.4	74.1 74.4	74.3 74.5	74.4 74.7	74.5 74.8	74.5 74.8	74.5 74.8	74.5 74.8	74.6 74.8
IV 8000 7000	67.9 68.8	74.3 75.5	74.6 75.8	75.0 76.2	75.4 76.6	75.4 76.6	75.4 76.6	75.5 76.7	75.5 76.7	75.6 76.8	75.8 77.0	75.9 77.1	75.9 77.1	75.9 77.1	75.9 77.1	76.0 77.2
IV 6000 5000	69.5 70.5	76.5 77.7	77.0 78.2	77.3 78.6	77.7 79.0	77.7 79.0	77.8 79.1	77.8 79.1	77.9 79.2	78.0 79.3	78.2 79.5	78.2 79.6	78.2 79.6	78.2 79.6	78.3 79.6	78.3 79.7
IV 4500 4000	70.7 71.5	78.0 79.3	78.4 79.8	78.8 80.2	79.2 80.6	79.2 80.6	79.3 80.7	79.3 80.7	79.4 80.8	79.6 80.9	79.7 81.1	79.8 81.2	79.8 81.2	79.8 81.2	79.9 81.2	79.9 81.3
IV 3500 3000	72.3 73.8	80.3 82.4	80.8 83.0	81.2 83.3	81.6 83.8	81.6 83.8	81.6 83.9	81.7 83.9	81.7 84.0	81.9 84.1	82.1 84.3	82.1 84.4	82.1 84.4	82.2 84.4	82.2 84.4	82.3 84.5
IV 2500 2000	74.6 76.5	83.5 85.9	84.1 86.7	84.5 87.1	84.9 87.6	84.9 87.6	85.1 87.7	85.1 87.7	85.2 87.8	85.3 88.0	85.5 88.1	85.6 88.2	85.6 88.2	85.6 88.2	85.6 88.3	85.7 88.3
IV 1800 1500	77.0 78.0	86.9 88.9	87.7 89.7	88.0 90.4	88.5 90.9	88.5 90.9	88.7 91.0	88.7 91.1	88.8 91.2	88.9 91.3	89.1 91.5	89.2 91.6	89.2 91.6	89.2 91.6	89.2 91.6	89.3 91.7
IV 1200 1000	78.8 79.2	90.5 91.5	91.6 92.6	92.5 93.6	93.0 94.1	93.0 94.1	93.2 94.3	93.3 94.4	93.4 94.5	93.6 94.7	93.7 94.9	93.8 94.9	93.8 94.9	93.8 95.0	93.9 95.0	93.9 95.1
IV 900 800	79.4 79.7	91.6 92.0	92.9 93.6	94.0 94.8	94.6 95.6	94.6 95.6	94.8 95.8	95.0 95.9	95.0 96.0	95.2 96.2	95.4 96.4	95.5 96.4	95.5 96.4	95.5 96.5	95.6 96.5	95.6 96.6
IV 700 600	79.7 79.7	92.3 92.4	94.0 94.2	95.2 95.5	96.0 96.4	96.0 96.4	96.3 96.8	96.4 96.9	96.5 97.0	96.8 97.2	97.0 97.5	97.0 97.5	97.0 97.5	97.1 97.6	97.2 97.6	97.2 97.7
IV 500 400	79.7 79.7	92.6 92.6	94.3 94.5	95.8 96.0	96.8 97.3	96.8 97.3	97.2 97.8	97.4 98.0	97.5 98.0	97.9 98.5	98.1 98.8	98.1 98.8	98.1 98.8	98.2 98.9	98.3 99.0	98.4 99.1
IV 300 200	79.7 79.7	92.6 92.6	94.6 94.6	96.1 96.1	97.4 97.4	97.4 97.4	97.9 98.0	98.0 98.2	98.2 98.4	98.8 98.9	99.0 99.2	99.0 99.3	99.1 99.3	99.2 99.5	99.2 99.5	99.3 99.6
IV 100 0	79.7 79.7	92.6 92.6	94.6 94.6	96.1 96.1	97.4 97.4	97.4 97.4	98.0 98.0	98.2 98.2	98.4 98.4	99.0 99.0	99.2 99.2	99.3 99.3	99.4 99.4	99.5 99.5	99.6 99.6	99.7 100.0

TOTAL NUMBER OF OBSERVATIONS 2250

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-49,56-72  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (ST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	54.8	59.6	60.5	61.1	61.4	61.4	61.8	61.9	62.0	62.1	62.3	62.3	62.5	62.6	62.7	62.9
IV 20000	59.2	64.3	65.2	65.9	66.3	66.3	66.7	66.8	66.8	67.0	67.2	67.2	67.4	67.5	67.6	67.8
IV 18000	59.2	64.3	65.2	65.9	66.3	66.3	66.7	66.8	66.8	67.0	67.2	67.2	67.4	67.5	67.6	67.8
IV 16000	59.4	64.5	65.4	66.1	66.5	66.5	66.9	67.0	67.1	67.2	67.4	67.4	67.6	67.7	67.8	68.0
IV 14000	59.5	64.7	65.6	66.3	66.7	66.7	67.1	67.2	67.2	67.4	67.6	67.6	67.8	67.9	68.0	68.2
IV 12000	61.5	66.9	67.8	68.5	68.9	68.9	69.3	69.4	69.5	69.6	69.8	69.8	70.0	70.1	70.2	70.4
IV 10000	62.7	68.3	69.2	69.9	70.3	70.3	70.7	70.8	70.8	71.0	71.1	71.1	71.4	71.4	71.6	71.8
IV 9000	62.9	68.5	69.5	70.2	70.6	70.6	71.0	71.0	71.1	71.2	71.4	71.4	71.6	71.7	71.8	72.0
IV 8000	64.2	70.0	71.0	71.7	72.1	72.1	72.5	72.6	72.6	72.8	73.0	73.0	73.2	73.3	73.4	73.6
IV 7000	65.4	71.4	72.3	73.0	73.4	73.4	73.8	73.9	74.0	74.1	74.3	74.3	74.5	74.6	74.8	74.9
IV 6000	65.9	72.4	73.4	74.1	74.5	74.5	74.9	75.0	75.0	75.2	75.4	75.4	75.6	75.7	75.8	76.0
IV 5000	66.8	73.4	74.4	75.2	75.6	75.6	76.0	76.1	76.1	76.3	76.4	76.4	76.7	76.7	76.9	77.1
IV 4500	67.2	73.9	74.9	75.7	76.1	76.1	76.5	76.6	76.6	76.8	77.0	77.0	77.2	77.3	77.4	77.6
IV 4000	68.1	75.2	76.3	77.1	77.5	77.5	77.9	78.0	78.0	78.2	78.4	78.4	78.6	78.7	78.8	79.0
IV 3500	69.0	76.4	77.6	78.3	78.8	78.8	79.2	79.2	79.3	79.5	79.6	79.6	79.9	79.9	80.1	80.3
IV 3000	70.1	77.8	79.0	79.8	80.3	80.3	80.7	80.7	80.8	81.0	81.1	81.1	81.4	81.5	81.6	81.8
IV 2500	71.3	79.1	80.3	81.1	81.6	81.6	82.0	82.1	82.2	82.3	82.5	82.5	82.7	82.8	83.0	83.1
IV 2000	72.9	81.4	82.6	83.4	84.2	84.2	84.6	84.7	84.8	84.9	85.1	85.1	85.3	85.4	85.6	85.7
IV 1800	73.7	82.8	84.2	85.0	85.7	85.7	86.2	86.3	86.4	86.5	86.7	86.7	87.0	87.1	87.2	87.4
IV 1500	75.0	85.0	86.5	87.3	88.0	88.0	88.5	88.6	88.7	88.8	89.0	89.0	89.3	89.4	89.5	89.7
IV 1200	76.4	87.3	89.0	89.8	90.7	90.7	91.2	91.3	91.3	91.5	91.7	91.7	91.9	92.0	92.2	92.3
IV 1000	76.8	88.1	90.0	91.0	92.1	92.1	92.7	92.8	92.8	93.0	93.2	93.2	93.4	93.5	93.7	93.8
IV 900	77.0	88.5	90.6	91.6	92.8	92.8	93.4	93.6	93.6	93.8	94.0	94.0	94.2	94.3	94.5	94.6
IV 800	77.3	88.8	91.0	92.0	93.2	93.3	93.8	94.1	94.1	94.3	94.5	94.5	94.8	94.9	95.0	95.2
IV 700	77.3	89.4	91.5	92.7	94.0	94.1	94.7	95.0	95.0	95.2	95.4	95.4	95.7	95.9	96.0	96.2
IV 600	77.3	89.7	92.1	93.3	94.8	94.8	95.5	95.8	95.8	96.0	96.1	96.1	96.5	96.7	96.9	97.0
IV 500	77.3	89.8	92.3	93.7	95.3	95.3	96.1	96.3	96.3	96.5	96.7	96.7	97.1	97.3	97.4	97.7
IV 400	77.3	89.9	92.4	94.2	95.8	95.9	96.7	96.9	96.9	97.3	97.5	97.5	97.9	98.1	98.3	98.5
IV 300	77.3	89.9	92.5	94.2	95.9	95.9	96.7	97.0	97.1	97.4	97.7	97.7	98.2	98.4	98.5	98.8
IV 200	77.3	89.9	92.5	94.2	95.9	95.9	96.8	97.1	97.1	97.5	97.7	97.7	98.4	98.6	98.8	99.1
IV 100	77.3	89.9	92.5	94.2	95.9	95.9	96.8	97.1	97.1	97.6	97.9	97.9	98.8	99.0	99.2	99.5
IV 0	77.3	89.9	92.5	94.2	95.9	95.9	96.8	97.1	97.1	97.6	97.9	97.9	98.8	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2259

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49.50-72  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (CST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING ≥ 20000	43.9 49.1	50.1 56.8	51.9 58.8	52.7 60.0	53.7 61.0	53.9 61.2	54.3 61.8	54.3 61.8	54.3 61.8	54.5 62.0	54.8 62.2	54.8 62.2	55.0 62.4	55.0 62.4	55.4 62.8	55.6 63.1
IV 18000 IV 16000	49.1 49.2	56.8 56.9	58.8 58.9	60.0 60.0	61.0 61.2	61.2 61.3	61.8 61.9	61.8 61.9	61.8 61.9	62.0 62.1	62.2 62.4	62.2 62.4	62.4 62.6	62.4 62.6	62.8 63.0	63.1 63.2
IV 14000 IV 12000	49.4 50.7	57.1 58.6	59.1 60.6	60.3 61.8	61.4 62.9	61.6 63.1	62.1 63.6	62.1 63.6	62.1 63.6	62.4 63.9	62.6 64.1	62.6 64.1	62.8 64.3	62.8 64.3	63.2 64.5	63.4 65.0
IV 10000 IV 9000	52.8 53.6	60.8 61.8	62.9 63.9	64.1 65.2	65.2 66.3	65.4 66.4	66.0 67.0	66.0 67.0	66.0 67.0	66.2 67.2	66.4 67.5	66.4 67.5	66.6 67.7	66.6 67.7	67.0 68.1	67.3 68.3
IV 8000 IV 7000	55.9 56.9	64.4 65.7	66.6 67.9	68.0 69.3	69.1 70.4	69.2 70.6	69.8 71.1	69.8 71.1	69.8 71.1	70.0 71.4	70.3 71.6	70.3 71.6	70.5 71.8	70.5 71.8	70.9 72.2	71.1 72.4
IV 6000 IV 5000	57.9 58.9	66.8 68.0	69.1 70.3	70.5 71.7	71.6 72.9	71.8 73.1	72.5 73.7	72.5 73.8	72.5 73.8	72.8 74.0	73.0 74.2	73.0 74.2	73.2 74.4	73.2 74.4	73.6 74.8	73.8 75.1
IV 4500 IV 4000	59.2 60.1	68.4 69.8	70.7 72.2	72.1 73.7	73.3 74.9	73.5 75.1	74.1 75.7	74.2 75.8	74.2 75.8	74.4 76.1	74.6 76.3	74.6 76.3	74.8 76.5	74.8 76.5	75.2 76.9	75.5 77.2
IV 3500 IV 3000	60.9 62.3	70.8 72.6	73.3 75.1	74.8 76.7	75.9 77.9	76.1 78.1	76.8 78.8	76.9 78.9	76.9 78.9	77.2 79.2	77.4 79.4	77.4 79.4	77.6 79.6	77.6 79.6	78.0 80.0	78.3 80.3
IV 2500 IV 2000	63.2 64.2	73.8 75.5	76.3 78.3	77.9 79.9	79.2 81.3	79.4 81.5	80.1 82.3	80.2 82.3	80.2 82.3	80.5 82.6	80.7 82.9	80.7 82.9	80.9 83.1	80.9 83.1	81.3 83.5	81.6 83.7
IV 1800 IV 1500	64.8 65.9	76.6 78.5	79.5 81.5	81.1 83.3	82.5 85.0	82.7 85.2	83.5 85.9	83.6 86.0	83.6 86.0	83.9 86.3	84.1 86.5	84.1 86.5	84.3 86.7	84.3 86.7	84.7 87.1	84.9 87.4
IV 1200 IV 1000	66.7 67.6	80.3 82.2	83.7 85.7	85.5 87.7	87.3 89.7	87.5 89.9	88.2 90.7	88.3 90.9	88.4 90.9	88.7 91.2	88.9 91.5	88.9 91.5	89.2 91.8	89.2 91.8	89.6 92.2	89.9 92.4
IV 900 IV 800	67.8 68.0	83.1 83.7	86.7 87.7	88.7 89.7	90.8 91.9	91.0 92.2	91.8 93.0	92.0 93.3	92.0 93.3	92.4 93.6	92.6 93.9	92.6 93.9	93.0 94.2	93.0 94.2	93.4 94.6	93.6 94.9
IV 700 IV 600	68.1 68.2	83.9 84.4	88.0 88.8	90.1 90.9	92.4 93.4	92.7 93.6	93.6 94.6	94.0 95.0	94.0 95.0	94.3 95.4	94.6 95.6	94.6 95.6	95.0 96.1	95.0 96.1	95.4 96.5	95.6 96.8
IV 500 IV 400	68.2 68.2	84.6 84.8	89.1 89.3	91.3 91.6	93.8 94.2	94.2 94.6	95.2 95.8	95.6 96.2	95.8 96.4	96.1 96.8	96.4 97.3	96.4 97.3	96.9 97.8	96.9 97.8	97.4 98.3	97.7 98.6
IV 300 IV 200	68.2 68.2	84.8 84.8	89.3 89.3	91.7 91.7	94.3 94.3	94.7 94.7	95.9 95.9	96.4 96.4	96.6 96.6	97.1 97.2	97.6 97.6	97.6 97.6	98.1 98.2	98.1 98.2	98.6 98.8	99.0 99.2
IV 100 IV 0	68.2 68.2	84.8 84.8	89.3 89.3	91.7 91.7	94.3 94.3	94.7 94.7	95.9 95.9	96.5 96.5	96.6 96.6	97.2 97.2	97.8 97.8	97.8 97.8	98.4 98.4	98.4 98.4	99.1 99.1	99.5 100.0

TOTAL NUMBER OF OBSERVATIONS 2503

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-74  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	> 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.0	49.0	49.8	50.4	50.8	50.9	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 20000	53.9	59.6	60.8	61.4	61.9	62.0	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 18000	53.9	59.7	60.8	61.5	61.9	62.0	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3
IV 16000	53.9	59.7	60.8	61.5	61.9	62.0	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3
IV 14000	54.3	60.4	61.5	62.2	62.6	62.8	62.8	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 12000	55.7	61.8	63.0	63.7	64.1	64.2	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.6	64.6	64.6
IV 10000	58.2	64.5	65.7	66.4	66.9	67.0	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 9000	58.8	65.4	66.7	67.4	67.8	67.9	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.3	68.3	68.3
IV 8000	60.4	67.4	68.7	69.4	69.9	70.0	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 7000	61.5	68.6	69.9	70.7	71.2	71.3	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7
IV 6000	62.0	69.4	70.8	71.6	72.1	72.3	72.5	72.5	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7
IV 5000	62.4	70.2	71.8	72.8	73.3	73.5	73.7	73.7	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9
IV 4500	62.8	70.8	72.4	73.4	73.9	74.0	74.3	74.3	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5
IV 4000	63.6	71.9	73.7	74.8	75.3	75.5	75.7	75.8	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0
IV 3500	63.8	72.4	74.1	75.2	75.8	76.0	76.2	76.3	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5
IV 3000	65.0	74.0	75.8	77.0	77.6	77.8	78.1	78.2	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4
IV 2500	65.9	75.4	77.3	78.5	79.2	79.4	79.7	79.8	79.8	79.9	79.9	79.9	80.0	80.0	80.0	80.0
IV 2000	67.3	77.7	79.7	81.0	81.8	82.1	82.4	82.5	82.6	82.7	82.7	82.7	82.8	82.8	82.8	82.8
IV 1800	67.8	78.4	80.5	81.7	82.5	82.8	83.2	83.3	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5
IV 1500	69.7	81.0	83.2	84.8	85.7	86.0	86.4	86.6	86.6	86.7	86.7	86.7	86.8	86.8	86.8	86.8
IV 1200	70.7	83.2	85.6	87.5	88.4	88.8	89.3	89.4	89.5	89.5	89.6	89.6	89.7	89.7	89.7	89.7
IV 1000	71.5	84.5	87.5	89.5	90.6	91.0	91.6	91.8	91.8	91.9	92.0	92.0	92.1	92.1	92.1	92.1
IV 900	71.6	85.2	88.3	90.4	91.6	92.0	92.6	92.8	92.9	93.0	93.0	93.0	93.1	93.1	93.1	93.1
IV 800	71.7	86.2	89.5	91.8	93.1	93.6	94.3	94.7	94.8	94.8	95.0	95.0	95.1	95.1	95.2	95.2
IV 700	71.8	86.5	90.0	92.3	93.7	94.3	95.2	95.5	95.6	95.6	95.8	96.0	96.0	96.1	96.1	96.1
IV 600	71.8	86.6	90.1	92.3	94.2	94.8	95.7	96.2	96.3	96.3	96.6	96.8	96.8	96.9	97.0	97.0
IV 500	71.9	86.7	90.4	92.8	94.6	95.2	96.3	96.9	97.1	97.5	97.8	97.9	98.1	98.1	98.2	98.2
IV 400	71.9	86.7	90.4	93.0	94.8	95.4	96.5	97.2	97.4	98.1	98.5	98.5	98.8	98.8	98.9	98.9
IV 300	71.9	86.7	90.4	93.0	94.9	95.6	96.7	97.5	97.7	98.5	98.9	98.9	99.2	99.2	99.3	99.3
IV 200	71.9	86.7	90.4	93.0	94.9	95.6	96.8	97.5	97.8	98.6	99.0	99.0	99.3	99.3	99.4	99.5
IV 100	71.9	86.7	90.4	93.0	94.9	95.6	96.8	97.5	97.8	98.6	99.0	99.1	99.3	99.4	99.6	99.7
IV 0	71.9	86.7	90.4	93.0	94.9	95.6	96.8	97.5	97.8	98.6	99.0	99.1	99.3	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 2543

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	51.4	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 20000	60.2	63.9	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 18000	60.7	64.3	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 16000	60.8	64.4	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 14000	60.9	64.6	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 12000	62.5	66.2	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 10000	64.4	68.1	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 9000	64.9	68.7	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 8000	66.1	70.1	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 7000	66.7	71.1	71.5	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 6000	67.4	72.1	72.5	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 5000	68.3	73.3	73.7	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 4500	68.5	73.7	74.1	74.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 4000	69.5	75.1	75.5	75.9	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 3500	70.3	76.0	76.5	76.8	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 3000	72.0	78.3	79.0	79.3	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 2500	73.1	79.8	80.5	80.8	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 2000	75.5	82.9	83.7	84.2	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 1800	76.1	83.7	84.6	85.1	85.6	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1500	78.1	86.8	87.8	88.5	89.1	89.1	89.3	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 1200	79.2	88.9	90.5	91.3	92.0	92.0	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 1000	79.6	90.2	92.1	93.1	93.8	93.8	94.1	94.3	94.3	94.4	94.4	94.4	94.5	94.5	94.5	94.5
IV 900	79.7	90.9	93.1	94.2	95.0	95.0	95.5	95.7	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9
IV 800	79.7	91.3	93.9	95.0	96.0	96.1	96.6	96.9	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1
IV 700	79.7	91.4	94.1	95.6	96.7	96.8	97.4	97.8	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1
IV 600	79.7	91.7	94.5	96.1	97.4	97.5	98.2	98.5	98.5	98.7	98.7	98.8	98.9	98.9	98.9	98.9
IV 500	79.7	91.7	94.6	96.3	97.6	97.7	98.6	99.0	99.0	99.3	99.3	99.4	99.5	99.5	99.5	99.5
IV 400	79.7	91.7	94.7	96.5	97.8	97.9	98.8	99.2	99.3	99.5	99.6	99.6	99.8	99.8	99.8	99.8
IV 300	79.7	91.7	94.7	96.5	97.8	97.9	98.8	99.2	99.3	99.5	99.6	99.7	99.9	99.9	99.9	99.9
IV 200	79.7	91.7	94.7	96.5	97.8	97.9	98.8	99.3	99.3	99.6	99.7	99.8	100.0	100.0	100.0	100.0
IV 100	79.7	91.7	94.7	96.5	97.8	97.9	98.8	99.3	99.3	99.6	99.7	99.8	100.0	100.0	100.0	100.0
IV 0	79.7	91.7	94.7	96.5	97.8	97.9	98.8	99.3	99.3	99.6	99.7	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2543

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49, 56-72  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	54.0	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 20000	62.8	66.0	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 18000	63.5	66.6	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 16000	63.5	66.7	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 14000	64.1	67.3	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 12000	65.9	69.1	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 10000	68.0	71.3	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 9000	68.3	71.6	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 8000	69.4	72.9	73.3	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 7000	70.2	74.0	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 6000	70.4	74.5	75.0	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 5000	71.7	75.6	76.2	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 4500	72.0	76.0	76.6	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 4000	72.9	77.0	77.7	78.1	78.2	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 3500	73.7	78.1	78.7	79.2	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 3000	75.2	80.2	81.0	81.5	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 2500	76.5	81.7	82.5	83.0	83.2	83.4	83.5	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 2000	78.2	84.5	85.3	86.1	86.3	86.5	86.7	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 1800	78.4	85.1	86.0	86.6	86.9	87.1	87.3	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 1500	79.6	87.0	88.3	89.0	89.3	89.5	89.7	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 1200	80.1	88.8	90.3	91.3	91.9	92.2	92.4	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 1000	80.4	89.7	91.9	92.8	93.6	93.9	94.2	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 900	80.5	90.0	92.5	93.6	94.5	94.8	95.1	95.3	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 800	80.5	90.3	92.8	94.1	95.2	95.7	96.1	96.4	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 700	80.5	90.6	93.1	94.4	95.9	96.3	96.8	97.2	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	80.5	90.6	93.2	94.5	96.0	96.6	97.1	97.7	97.7	98.2	98.4	98.4	98.5	98.5	98.5	98.5
IV 500	80.6	90.6	93.4	94.7	96.4	96.9	97.5	98.1	98.2	98.8	99.0	99.0	99.1	99.1	99.1	99.1
IV 400	80.6	90.7	93.4	95.0	96.6	97.2	97.8	98.5	98.5	99.2	99.4	99.4	99.5	99.5	99.5	99.5
IV 300	80.6	90.7	93.4	95.0	96.6	97.2	97.9	98.6	98.6	99.5	99.7	99.7	99.8	99.8	99.8	99.8
IV 200	80.6	90.7	93.4	95.0	96.6	97.2	97.9	98.6	98.6	99.5	99.8	99.8	99.9	99.9	100.0	100.0
IV 100	80.6	90.7	93.4	95.0	96.6	97.2	97.9	98.6	98.6	99.5	99.8	99.8	99.9	99.9	100.0	100.0
IV 0	80.6	90.7	93.4	95.0	96.6	97.2	97.9	98.6	98.6	99.5	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2531

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-45, 47-49, 56-72  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	58.4	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9
IV 20000	64.0	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.4
IV 18000	64.3	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.8
IV 16000	64.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.9
IV 14000	64.8	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.3
IV 12000	67.1	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.6
IV 10000	68.7	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.5
IV 9000	69.1	73.6	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.1
IV 8000	69.9	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.1
IV 7000	71.0	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.2
IV 6000	71.3	76.3	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.9
IV 5000	72.6	77.7	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.4
IV 4500	73.1	78.2	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	79.0
IV 4000	74.3	79.7	80.1	80.5	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.8
IV 3500	75.2	80.8	81.2	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.1
IV 3000	76.0	82.2	82.5	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.5
IV 2500	76.9	83.9	84.4	85.1	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.6
IV 2000	77.9	85.5	86.1	86.8	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.5
IV 1800	78.4	86.3	86.9	87.7	87.9	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.5
IV 1500	79.1	87.8	88.7	89.5	89.9	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.5
IV 1200	79.7	89.3	90.6	91.5	91.9	92.1	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.8
IV 1000	80.2	91.0	92.4	93.6	94.6	94.7	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.6
IV 900	80.4	91.2	92.8	94.0	95.0	95.1	95.4	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.1
IV 800	80.4	91.6	93.1	94.4	95.5	95.7	96.1	96.4	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.9
IV 700	80.4	91.9	93.6	95.1	96.3	96.5	96.9	97.2	97.2	97.2	97.6	97.6	97.6	97.6	97.6	97.7
IV 600	80.4	92.2	93.9	95.5	96.9	97.1	97.6	97.9	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.6
IV 500	80.4	92.2	94.0	95.6	97.1	97.3	97.8	98.2	98.2	98.2	98.7	98.9	98.9	98.9	98.9	99.0
IV 400	80.4	92.3	94.1	95.7	97.3	97.5	98.1	98.6	98.6	98.6	99.1	99.3	99.3	99.3	99.3	99.5
IV 300	80.4	92.3	94.1	95.7	97.3	97.5	98.2	98.7	98.7	98.7	99.4	99.6	99.6	99.6	99.6	99.9
IV 200	80.4	92.3	94.1	95.7	97.3	97.5	98.2	98.7	98.7	98.7	99.4	99.6	99.6	99.6	99.6	99.9
IV 100	80.4	92.3	94.1	95.7	97.3	97.5	98.2	98.7	98.7	98.7	99.4	99.6	99.6	99.6	99.6	100.0
IV 0	80.4	92.4	94.1	95.8	97.3	97.5	98.3	98.7	98.7	98.7	99.5	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2359

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947 FORT RILEY KANSAS/MARSHALL AAF

39-45,47-49,56-72

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	59.3	63.9	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.4	64.4	64.5	64.5	64.5	64.7
≥ 20000	64.4	69.4	69.6	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.9	69.9	70.0	70.0	70.0	70.2
IV 18000	64.5	69.5	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.1	70.4
IV 16000	64.5	69.5	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.1	70.4
IV 14000	64.9	70.0	70.2	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.5	70.5	70.6	70.6	70.8
IV 12000	66.6	71.9	72.1	72.1	72.2	72.2	72.2	72.3	72.3	72.3	72.4	72.4	72.5	72.5	72.5	72.7
IV 10000	67.9	73.4	73.6	73.6	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	74.0	74.0	74.0	74.2
IV 9000	68.3	73.8	74.1	74.1	74.1	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.7
IV 8000	69.1	74.9	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.5	75.5	75.5	75.7
IV 7000	69.7	75.6	75.8	75.8	75.9	75.9	75.9	76.0	76.0	76.0	76.1	76.1	76.2	76.2	76.2	76.4
IV 6000	70.5	76.6	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.4	77.4	77.4	77.6
IV 5000	71.7	77.9	78.3	78.3	78.4	78.4	78.5	78.6	78.6	78.6	78.7	78.7	78.8	78.8	78.8	79.0
IV 4500	72.4	78.7	79.1	79.1	79.2	79.2	79.4	79.4	79.4	79.4	79.5	79.5	79.7	79.7	79.7	79.9
IV 4000	73.9	80.4	80.9	81.0	81.1	81.1	81.3	81.3	81.3	81.4	81.4	81.4	81.6	81.6	81.6	81.8
IV 3500	74.6	81.3	81.7	81.8	82.0	82.0	82.2	82.2	82.2	82.3	82.4	82.4	82.5	82.5	82.5	82.7
IV 3000	75.6	82.8	83.3	83.6	83.7	83.7	83.9	84.0	84.0	84.0	84.1	84.1	84.2	84.2	84.2	84.4
IV 2500	76.4	84.4	85.0	85.3	85.4	85.5	85.7	85.7	85.7	85.7	85.8	85.8	86.0	86.0	86.0	86.2
IV 2000	78.0	86.8	87.4	87.8	88.1	88.1	88.3	88.4	88.4	88.4	88.5	88.5	88.6	88.6	88.6	88.8
IV 1800	78.7	87.9	88.6	89.0	89.3	89.3	89.5	89.6	89.6	89.6	89.7	89.7	89.8	89.8	89.8	90.0
IV 1500	79.4	89.3	90.0	90.5	90.8	90.9	91.1	91.1	91.1	91.2	91.3	91.3	91.4	91.4	91.4	91.7
IV 1200	80.1	91.0	91.8	92.6	93.0	93.0	93.3	93.4	93.4	93.4	93.5	93.5	93.7	93.7	93.7	93.9
IV 1000	80.4	91.6	92.6	93.7	94.2	94.3	94.5	94.7	94.7	94.9	95.0	95.0	95.1	95.1	95.1	95.3
IV 900	80.4	91.7	92.9	94.2	94.8	94.9	95.1	95.3	95.3	95.5	95.6	95.6	95.7	95.7	95.7	95.9
IV 800	80.6	92.2	93.6	95.0	95.7	95.8	96.1	96.3	96.3	96.5	96.6	96.6	96.7	96.7	96.7	96.9
IV 700	80.7	92.5	93.9	95.4	96.2	96.3	96.6	96.7	96.7	97.0	97.2	97.2	97.3	97.3	97.3	97.6
IV 600	80.7	92.6	94.1	95.7	96.6	96.7	97.2	97.3	97.3	97.7	97.9	97.9	98.0	98.0	98.0	98.3
IV 500	80.8	92.8	94.4	96.0	96.9	97.0	97.6	97.7	97.7	98.2	98.3	98.3	98.5	98.5	98.5	98.7
IV 400	80.8	93.0	94.7	96.3	97.4	97.6	98.2	98.3	98.3	98.8	99.0	99.0	99.3	99.3	99.3	99.5
IV 300	80.8	93.0	94.7	96.3	97.6	97.7	98.4	98.6	98.6	99.1	99.3	99.3	99.6	99.6	99.6	99.8
IV 200	80.8	93.0	94.7	96.4	97.6	97.7	98.5	98.6	98.6	99.3	99.5	99.5	99.7	99.8	99.8	100.0
IV 100	80.8	93.0	94.7	96.4	97.6	97.7	98.5	98.6	98.6	99.3	99.5	99.5	99.7	99.8	99.8	100.0
IV 0	80.8	93.0	94.7	96.4	97.6	97.7	98.5	98.6	98.6	99.3	99.5	99.5	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2301



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-49,56-70  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.4	56.0	56.3	56.7	57.1	57.1	57.4	57.4	57.4	57.6	57.6	57.6	57.7	57.7	57.8	57.9
≥ 20000	57.2	61.6	61.9	62.3	62.7	62.8	63.0	63.1	63.1	63.2	63.2	63.2	63.3	63.3	63.4	63.5
IV 18000	57.3	61.7	62.1	62.4	62.8	62.9	63.1	63.2	63.2	63.3	63.4	63.4	63.4	63.4	63.5	63.7
IV 16000	57.4	61.9	62.2	62.6	63.0	63.0	63.2	63.3	63.3	63.4	63.5	63.5	63.5	63.5	63.7	63.8
IV 14000	57.7	62.4	62.7	63.1	63.4	63.5	63.8	63.8	63.8	63.9	64.0	64.0	64.0	64.0	64.1	64.3
IV 12000	58.5	63.4	63.7	64.1	64.4	64.5	64.8	64.8	64.8	64.9	65.0	65.0	65.0	65.0	65.1	65.3
IV 10000	60.4	65.2	65.5	65.9	66.3	66.4	66.6	66.7	66.7	66.8	66.8	66.8	66.9	66.9	67.0	67.1
IV 9000	60.9	65.8	66.1	66.5	66.9	66.9	67.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.6	67.7
IV 8000	62.0	67.2	67.5	67.9	68.3	68.3	68.6	68.6	68.6	68.8	68.8	68.8	68.8	68.8	69.0	69.1
IV 7000	62.6	68.1	68.5	68.9	69.3	69.4	69.6	69.7	69.7	69.8	69.9	69.9	69.9	69.9	70.1	70.2
IV 6000	63.2	68.8	69.1	69.5	70.0	70.0	70.3	70.3	70.3	70.5	70.5	70.5	70.6	70.6	70.7	70.8
IV 5000	64.2	69.9	70.3	70.8	71.3	71.3	71.6	71.6	71.6	71.8	71.8	71.8	71.9	71.9	72.0	72.1
IV 4500	64.5	70.3	70.7	71.2	71.7	71.8	72.0	72.1	72.1	72.3	72.3	72.3	72.3	72.3	72.5	72.6
IV 4000	65.4	71.2	71.6	72.3	72.8	72.8	73.1	73.1	73.1	73.3	73.3	73.3	73.4	73.4	73.5	73.6
IV 3500	66.0	72.0	72.4	73.1	73.6	73.6	73.9	73.9	73.9	74.1	74.2	74.2	74.2	74.2	74.3	74.5
IV 3000	67.4	73.7	74.1	74.9	75.5	75.5	75.8	75.8	75.8	76.0	76.0	76.0	76.1	76.1	76.2	76.3
IV 2500	68.2	74.9	75.4	76.3	76.9	77.0	77.2	77.3	77.3	77.5	77.5	77.5	77.5	77.5	77.7	77.8
IV 2000	70.1	78.2	78.7	79.9	80.5	80.5	80.9	81.0	81.0	81.2	81.3	81.3	81.3	81.3	81.5	81.6
IV 1800	70.8	79.2	79.9	81.0	81.7	81.7	82.2	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.8	82.9
IV 1500	71.7	80.5	81.2	82.4	83.3	83.4	84.0	84.2	84.2	84.4	84.5	84.5	84.5	84.5	84.6	84.8
IV 1200	73.0	82.6	83.4	84.7	85.8	85.9	86.6	86.8	86.8	87.0	87.1	87.1	87.2	87.2	87.3	87.4
IV 1000	73.6	83.6	84.6	86.1	87.7	87.8	88.7	88.9	88.9	89.4	89.7	89.7	89.8	89.8	90.0	90.2
IV 900	73.9	84.3	85.3	86.9	88.5	88.7	89.6	89.9	89.9	90.4	90.6	90.6	90.9	90.9	91.1	91.2
IV 800	74.1	84.9	86.0	87.6	89.5	89.6	90.6	90.8	90.8	91.4	91.7	91.7	91.9	91.9	92.2	92.3
IV 700	74.2	85.3	86.5	88.2	90.2	90.4	91.5	91.8	91.8	92.5	92.8	92.8	93.1	93.1	93.3	93.5
IV 600	74.3	85.8	87.3	89.2	91.1	91.4	92.5	92.8	92.8	93.6	94.0	94.0	94.3	94.3	94.6	94.7
IV 500	74.3	86.2	87.8	89.8	91.9	92.1	93.3	93.6	93.6	94.4	94.9	94.9	95.3	95.3	95.6	95.7
IV 400	74.4	86.4	88.2	90.3	92.6	92.8	94.2	94.5	94.6	95.4	95.8	95.8	96.2	96.2	96.6	96.7
IV 300	74.4	86.4	88.2	90.4	92.8	93.0	94.4	94.8	94.9	96.0	96.6	96.6	97.1	97.1	97.5	97.7
IV 200	74.4	86.4	88.2	90.4	92.9	93.1	94.5	94.9	95.0	96.1	96.9	96.9	97.7	97.7	98.3	98.4
IV 100	74.4	86.4	88.3	90.4	92.9	93.2	94.5	94.9	95.1	96.3	97.0	97.0	97.9	97.9	98.6	98.9
IV 0	74.4	86.4	88.3	90.4	92.9	93.2	94.5	94.9	95.1	96.3	97.1	97.1	98.0	98.0	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2298

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-49,56-72  
YEARS

DEC  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	50.8	55.2	56.0	56.4	56.6	56.7	56.9	57.0	57.0	57.2	57.2	57.2	57.4	57.5	57.6	57.8
IV 20000	55.3	60.4	61.2	61.6	61.9	62.0	62.2	62.3	62.3	62.5	62.5	62.5	62.7	62.8	62.9	63.1
IV 18000	55.4	60.5	61.4	61.7	62.1	62.1	62.3	62.4	62.4	62.6	62.6	62.6	62.8	62.9	63.0	63.2
IV 16000	55.5	60.5	61.4	61.8	62.1	62.1	62.4	62.5	62.5	62.6	62.6	62.6	62.9	62.9	63.1	63.2
IV 14000	55.7	60.9	61.8	62.1	62.5	62.5	62.8	62.8	62.8	63.0	63.0	63.0	63.3	63.3	63.4	63.6
IV 12000	56.8	62.2	63.1	63.4	63.8	63.8	64.1	64.1	64.1	64.3	64.3	64.3	64.6	64.6	64.7	64.9
IV 10000	58.6	64.0	64.9	65.3	65.7	65.7	65.9	66.0	66.0	66.2	66.2	66.2	66.4	66.5	66.6	66.8
IV 9000	59.1	64.6	65.5	65.9	66.3	66.3	66.6	66.7	66.7	66.9	66.9	66.9	67.1	67.2	67.3	67.5
IV 8000	59.9	65.6	66.6	67.0	67.4	67.4	67.7	67.8	67.8	68.0	68.0	68.0	68.3	68.3	68.4	68.6
IV 7000	60.8	66.7	67.8	68.2	68.6	68.6	68.9	68.9	68.9	69.2	69.2	69.2	69.4	69.5	69.6	69.8
IV 6000	61.6	67.6	68.6	69.0	69.4	69.5	69.7	69.8	69.8	70.0	70.0	70.0	70.3	70.3	70.5	70.6
IV 5000	63.1	69.7	70.8	71.3	71.7	71.7	72.0	72.1	72.1	72.3	72.3	72.3	72.5	72.6	72.7	72.9
IV 4500	63.4	70.2	71.3	71.8	72.2	72.2	72.5	72.5	72.5	72.8	72.8	72.8	73.0	73.1	73.2	73.4
IV 4000	64.0	70.9	72.0	72.5	72.9	72.9	73.2	73.3	73.3	73.5	73.5	73.5	73.8	73.8	73.9	74.1
IV 3500	64.6	71.8	73.0	73.5	73.9	74.0	74.2	74.3	74.3	74.5	74.5	74.5	74.8	74.8	75.0	75.1
IV 3000	65.5	73.4	74.5	75.1	75.6	75.7	75.9	76.0	76.0	76.2	76.2	76.2	76.5	76.5	76.7	76.8
IV 2500	66.1	74.5	75.7	76.4	76.8	76.9	77.1	77.2	77.2	77.5	77.5	77.5	77.7	77.7	77.9	78.1
IV 2000	67.6	77.0	78.3	79.0	79.6	79.6	79.9	80.0	80.0	80.3	80.4	80.4	80.7	80.7	80.9	81.0
IV 1800	68.2	77.8	79.0	79.8	80.4	80.5	80.8	80.9	80.9	81.2	81.3	81.3	81.6	81.6	81.8	81.9
IV 1500	68.8	78.9	80.1	80.9	81.6	81.7	82.1	82.2	82.2	82.5	82.6	82.6	82.9	82.9	83.1	83.2
IV 1200	70.3	81.6	83.1	84.0	84.8	85.0	85.5	85.6	85.6	86.0	86.1	86.1	86.4	86.4	86.5	86.7
IV 1000	70.9	82.9	84.5	85.6	86.5	86.7	87.3	87.4	87.4	88.0	88.1	88.1	88.4	88.4	88.6	88.7
IV 900	71.1	83.6	85.4	86.7	87.7	87.9	88.6	88.7	88.7	89.3	89.4	89.4	89.7	89.7	89.9	90.0
IV 800	71.4	84.5	86.5	87.8	88.9	89.1	89.9	90.0	90.0	90.7	90.5	90.9	91.3	91.3	91.4	91.6
IV 700	71.6	85.1	87.1	88.4	89.6	89.9	90.6	90.7	90.8	91.6	91.8	91.8	92.1	92.2	92.3	92.5
IV 600	71.7	85.8	87.8	89.3	90.7	91.0	91.9	92.0	92.0	92.9	93.1	93.1	93.6	93.7	93.8	94.0
IV 500	71.7	85.9	88.0	89.7	91.1	91.4	92.6	92.9	92.9	93.9	94.1	94.1	94.7	94.7	94.8	95.0
IV 400	71.8	86.4	88.6	90.3	91.9	92.2	93.6	93.8	93.9	94.9	95.2	95.2	95.9	96.0	96.1	96.3
IV 300	71.8	86.4	88.6	90.5	92.1	92.5	94.0	94.2	94.3	95.5	95.9	95.9	96.8	96.8	97.1	97.3
IV 200	71.8	86.4	88.6	90.5	92.1	92.5	94.0	94.3	94.4	95.7	96.2	96.2	97.2	97.3	97.7	98.0
IV 100	71.8	86.4	88.6	90.5	92.1	92.5	94.0	94.3	94.4	95.8	96.5	96.5	97.7	97.7	98.4	98.8
IV 0	71.8	86.4	88.6	90.5	92.1	92.5	94.0	94.3	94.4	95.9	96.6	96.7	98.1	98.1	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2309

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.4	50.9	51.6	52.2	52.7	52.7	53.1	53.2	53.2	53.3	53.4	53.5	53.6	53.6	53.8	53.9
IV 20000	50.2	57.8	58.8	59.4	60.0	60.1	60.5	60.6	60.6	60.8	60.9	61.0	61.2	61.2	61.3	61.5
IV 18000	50.5	58.2	59.1	59.7	60.4	60.4	60.8	61.0	61.0	61.1	61.3	61.3	61.5	61.5	61.7	61.9
IV 16000	50.7	58.4	59.3	59.9	60.6	60.6	61.0	61.1	61.1	61.3	61.5	61.5	61.7	61.7	61.8	62.0
IV 14000	51.1	58.9	59.9	60.5	61.1	61.2	61.6	61.7	61.7	61.9	62.0	62.1	62.3	62.3	62.4	62.6
IV 12000	52.1	60.3	61.3	61.9	62.6	62.6	63.0	63.2	63.2	63.3	63.5	63.5	63.7	63.7	63.9	64.1
IV 10000	53.9	62.2	63.3	63.9	64.6	64.6	65.0	65.1	65.1	65.3	65.5	65.5	65.7	65.7	65.8	66.0
IV 9000	54.6	63.0	64.0	64.6	65.3	65.4	65.8	65.9	65.9	66.1	66.2	66.3	66.5	66.5	66.6	66.8
IV 8000	55.8	64.4	65.5	66.2	66.9	67.0	67.3	67.5	67.5	67.7	67.8	67.9	68.1	68.1	68.2	68.4
IV 7000	56.6	65.5	66.6	67.2	68.0	68.0	68.4	68.6	68.6	68.8	69.0	69.0	69.2	69.2	69.3	69.5
IV 6000	57.4	66.3	67.4	68.1	68.8	68.9	69.3	69.4	69.4	69.7	69.8	69.9	70.1	70.1	70.2	70.4
IV 5000	58.5	67.8	68.9	69.5	70.3	70.3	70.7	70.9	70.9	71.1	71.3	71.3	71.5	71.5	71.6	71.8
IV 4500	59.0	68.4	69.5	70.2	71.0	71.0	71.4	71.5	71.5	71.8	71.9	72.0	72.2	72.2	72.3	72.5
IV 4000	59.7	69.5	70.8	71.5	72.2	72.3	72.7	72.8	72.8	73.1	73.2	73.3	73.5	73.5	73.6	73.8
IV 3500	60.2	70.1	71.4	72.1	72.9	72.9	73.4	73.5	73.5	73.7	73.9	73.9	74.1	74.1	74.3	74.5
IV 3000	61.2	71.4	72.8	73.6	74.4	74.4	74.9	75.0	75.0	75.3	75.4	75.5	75.7	75.7	75.8	76.0
IV 2500	62.2	72.7	74.3	75.2	76.1	76.1	76.6	76.8	76.8	77.0	77.2	77.2	77.4	77.4	77.6	77.7
IV 2000	63.7	74.8	76.4	77.4	78.4	78.4	78.9	79.1	79.1	79.4	79.6	79.6	79.8	79.8	79.9	80.1
IV 1800	63.9	75.1	76.7	77.7	78.7	78.7	79.2	79.4	79.4	79.7	79.9	79.9	80.1	80.1	80.2	80.4
IV 1500	64.6	76.4	78.1	79.2	80.3	80.3	80.9	81.0	81.0	81.3	81.5	81.6	81.8	81.8	81.9	82.1
IV 1200	65.5	78.1	80.1	81.3	82.4	82.5	83.1	83.2	83.2	83.6	83.9	83.9	84.1	84.1	84.3	84.5
IV 1000	65.9	79.6	81.7	83.2	84.3	84.4	85.0	85.2	85.2	85.9	86.3	86.3	86.5	86.5	86.7	86.9
IV 900	66.4	80.7	83.0	84.5	85.8	85.9	86.6	86.8	86.8	87.4	87.8	87.9	88.1	88.1	88.3	88.5
IV 800	66.7	81.3	83.9	85.7	87.3	87.4	88.4	88.6	88.7	89.4	89.8	89.8	90.1	90.1	90.3	90.5
IV 700	66.8	81.8	84.4	86.4	88.0	88.2	89.4	89.7	89.7	90.5	90.9	90.9	91.3	91.3	91.5	91.8
IV 600	66.9	82.4	85.2	87.3	89.1	89.2	90.5	90.8	90.9	91.6	92.3	92.3	92.9	92.9	93.1	93.4
IV 500	67.0	82.5	85.3	87.6	89.5	89.8	91.1	91.6	91.6	92.4	93.3	93.4	94.0	94.1	94.3	94.6
IV 400	67.0	82.7	85.7	88.0	89.9	90.1	91.6	92.2	92.3	93.4	94.4	94.5	95.2	95.3	95.5	95.9
IV 300	67.0	82.8	85.8	88.2	90.2	90.5	92.0	92.9	93.0	94.3	95.6	95.7	96.6	96.8	97.1	97.5
IV 200	67.0	82.8	85.8	88.2	90.2	90.5	92.1	93.0	93.2	94.5	95.9	96.0	97.0	97.2	97.6	98.0
IV 100	67.0	82.8	85.8	88.2	90.3	90.5	92.1	93.1	93.2	94.7	96.2	96.2	97.6	97.8	98.4	98.9
IV 0	67.0	82.8	85.8	88.2	90.3	90.5	92.1	93.1	93.2	94.8	96.2	96.2	97.8	98.1	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2548

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49-56-72  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.0	45.4	46.2	46.9	47.4	47.4	47.6	47.6	47.6	47.6	47.7	47.7	47.8	47.8	47.8	47.8
IV 20000	48.0	54.3	55.3	56.2	57.1	57.2	57.4	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5
IV 18000	48.5	54.8	55.8	56.7	57.6	57.7	57.9	57.9	57.9	57.9	58.0	58.0	58.1	58.1	58.1	58.1
IV 16000	48.5	54.8	55.9	56.7	57.6	57.7	57.9	57.9	57.9	58.0	58.0	58.0	58.1	58.1	58.1	58.1
IV 14000	48.9	55.4	56.4	57.3	58.2	58.3	58.5	58.5	58.5	58.5	58.6	58.6	58.7	58.7	58.7	58.7
IV 12000	50.4	57.2	58.3	59.2	60.1	60.3	60.4	60.4	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6
IV 10000	52.9	60.0	61.2	62.1	63.0	63.1	63.3	63.3	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5
IV 9000	53.6	60.8	62.0	62.9	63.8	63.9	64.1	64.1	64.1	64.2	64.3	64.3	64.3	64.3	64.3	64.3
IV 8000	55.5	63.1	64.4	65.4	66.3	66.5	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8
IV 7000	56.6	64.6	65.9	67.0	68.1	68.3	68.4	68.4	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.6
IV 6000	57.2	65.2	66.7	67.8	68.9	69.0	69.2	69.2	69.2	69.2	69.3	69.3	69.4	69.4	69.4	69.4
IV 5000	58.0	66.2	67.6	68.8	69.9	70.0	70.2	70.2	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4
IV 4500	58.6	67.0	68.5	69.6	70.7	70.8	71.0	71.0	71.0	71.1	71.2	71.2	71.3	71.3	71.3	71.3
IV 4000	59.4	67.9	69.5	70.6	71.7	71.8	72.1	72.1	72.1	72.1	72.2	72.2	72.3	72.3	72.3	72.3
IV 3500	59.9	68.8	70.4	71.5	72.6	72.8	73.0	73.0	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.2
IV 3000	60.7	70.0	71.8	73.0	74.2	74.4	74.7	74.7	74.7	74.7	74.8	74.8	74.9	74.9	74.9	74.9
IV 2500	61.7	71.2	73.1	74.2	75.5	75.7	76.0	76.1	76.1	76.1	76.3	76.3	76.3	76.3	76.3	76.3
IV 2000	63.4	73.3	75.3	76.5	77.9	78.1	78.5	78.7	78.7	78.8	78.9	78.9	79.0	79.0	79.0	79.0
IV 1800	63.6	73.7	75.7	77.1	78.5	78.7	79.1	79.3	79.3	79.4	79.5	79.5	79.6	79.6	79.6	79.6
IV 1500	64.5	75.1	77.1	78.6	80.1	80.4	80.9	81.1	81.2	81.2	81.3	81.3	81.4	81.4	81.4	81.4
IV 1200	65.2	76.5	78.8	80.3	81.8	82.2	82.7	83.1	83.2	83.3	83.5	83.5	83.7	83.7	83.7	83.7
IV 1000	66.0	78.1	80.9	82.8	84.6	85.1	85.7	86.2	86.4	86.7	86.9	86.9	87.1	87.1	87.2	87.2
IV 900	66.5	78.8	81.7	83.7	85.7	86.2	87.1	87.5	87.8	88.0	88.3	88.3	88.5	88.5	88.6	88.6
IV 800	66.6	79.4	82.4	84.9	87.3	87.9	89.1	89.6	89.9	90.3	90.6	90.6	90.9	90.9	91.0	91.0
IV 700	66.7	79.7	82.8	85.4	88.1	88.8	90.1	90.8	91.1	91.5	92.0	92.0	92.4	92.4	92.6	92.6
IV 600	66.8	80.0	83.2	85.9	89.0	89.7	91.3	92.1	92.4	93.1	93.6	93.6	94.0	94.0	94.3	94.3
IV 500	66.8	80.0	83.3	86.3	89.5	90.4	92.1	93.0	93.3	94.3	94.9	94.9	95.4	95.4	95.7	95.8
IV 400	66.8	80.1	83.3	86.5	89.8	90.7	92.6	93.6	94.1	95.3	96.2	96.2	96.8	96.8	97.1	97.2
IV 300	66.8	80.1	83.4	86.5	89.9	90.9	92.9	93.9	94.4	95.9	97.0	97.0	97.9	97.9	98.3	98.4
IV 200	66.8	80.1	83.4	86.5	89.9	90.9	93.1	94.1	94.6	96.2	97.5	97.5	98.6	98.6	99.1	99.3
IV 100	66.8	80.1	83.4	86.5	89.9	90.9	93.1	94.1	94.6	96.2	97.6	97.6	98.8	98.8	99.4	99.6
IV 0	66.8	80.1	83.4	86.5	89.9	90.9	93.1	94.1	94.6	96.2	97.6	97.6	98.8	98.8	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2624

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	44.3	46.6	47.0	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 18000	54.2	58.4	59.1	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 16000	54.5	58.7	59.4	60.0	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 14000	54.8	59.2	59.9	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 12000	57.0	61.4	62.2	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 10000	59.4	64.1	64.9	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 9000	60.2	65.0	65.8	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 8000	61.5	66.6	67.3	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 7000	62.5	67.8	68.7	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 6000	63.2	68.8	69.6	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 5000	64.4	70.1	71.0	71.7	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 4500	64.7	70.4	71.3	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 4000	65.3	71.1	72.1	72.8	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 3500	65.7	71.9	72.9	73.6	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 3000	66.8	73.3	74.4	75.1	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 2500	67.8	74.8	75.9	76.7	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 2000	69.7	77.1	78.3	79.1	79.7	79.8	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 1800	70.3	78.0	79.3	80.1	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 1500	71.1	79.5	81.1	82.0	82.6	82.7	83.0	83.1	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3
IV 1200	72.1	81.5	83.6	84.8	85.7	85.9	86.4	86.5	86.6	86.7	86.8	86.8	86.9	86.9	86.9	86.9
IV 1000	72.6	82.7	85.1	86.7	87.9	88.2	88.8	89.0	89.1	89.6	89.7	89.7	89.7	89.7	89.8	89.8
IV 900	72.7	83.3	86.0	88.0	89.3	89.6	90.4	90.6	90.6	91.1	91.2	91.2	91.3	91.3	91.3	91.3
IV 800	73.0	83.9	86.9	89.0	90.7	91.0	91.8	92.2	92.3	92.9	93.1	93.1	93.2	93.2	93.3	93.3
IV 700	73.1	84.2	87.3	89.7	91.8	92.1	93.1	93.7	93.9	94.9	95.0	95.0	95.2	95.2	95.4	95.4
IV 600	73.2	84.3	87.6	90.1	92.3	92.8	94.1	94.7	94.9	96.1	96.2	96.4	96.6	96.6	96.7	96.7
IV 500	73.2	84.6	87.9	90.6	92.9	93.7	94.9	95.8	95.9	97.6	97.8	97.9	98.2	98.2	98.4	98.4
IV 400	73.2	84.6	88.0	90.7	93.1	93.8	95.2	96.2	96.4	98.2	98.5	98.7	99.0	99.0	99.2	99.2
IV 300	73.2	84.6	88.0	90.7	93.1	93.9	95.2	96.3	96.5	98.4	98.8	98.9	99.3	99.3	99.5	99.5
IV 200	73.2	84.6	88.0	90.7	93.1	93.9	95.2	96.4	96.5	98.4	99.0	99.2	99.6	99.6	99.8	99.8
IV 100	73.2	84.6	88.0	90.7	93.1	93.9	95.2	96.4	96.5	98.4	99.0	99.3	99.7	99.7	99.9	100.0
IV 0	73.2	84.6	88.0	90.7	93.1	93.9	95.2	96.4	96.5	98.4	99.0	99.3	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2609

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49.56-72  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.3	48.8	49.2	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 20000	56.8	60.4	60.9	61.2	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 18000	56.9	60.5	61.1	61.4	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 16000	57.2	60.8	61.4	61.7	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 14000	57.5	61.2	61.7	62.0	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 12000	58.9	62.8	63.4	63.7	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 10000	62.0	66.2	66.8	67.1	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 9000	63.0	67.3	68.0	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7
IV 8000	64.3	68.7	69.4	69.7	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 7000	65.8	70.2	71.0	71.4	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 6000	66.5	71.0	71.9	72.3	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 5000	67.7	72.5	73.4	73.8	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 4500	67.9	72.9	73.8	74.3	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4000	68.4	73.8	74.7	75.2	75.5	75.5	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 3500	68.5	74.2	75.1	75.6	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 3000	69.6	75.5	76.5	77.0	77.3	77.3	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 2500	71.1	77.7	78.8	79.4	79.8	79.8	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 2000	73.2	80.6	81.8	82.4	82.8	82.8	82.9	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 1800	73.6	81.3	82.6	83.2	83.6	83.7	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 1500	74.2	83.0	84.4	85.1	85.6	85.7	85.8	85.8	85.8	86.0	86.0	86.0	86.1	86.1	86.1	86.1
IV 1200	75.0	84.6	86.3	87.2	87.9	88.0	88.2	88.3	88.3	88.4	88.5	88.5	88.5	88.5	88.6	88.6
IV 1000	75.2	85.2	87.3	88.9	89.8	90.0	90.3	90.3	90.3	90.6	90.7	90.7	90.8	90.8	90.9	90.9
IV 900	75.3	85.7	87.8	89.5	90.5	90.9	91.2	91.3	91.3	91.6	91.7	91.7	91.9	91.9	91.9	91.9
IV 800	75.5	86.2	88.5	90.5	91.7	92.1	92.5	92.8	92.9	93.3	93.5	93.5	93.7	93.7	93.7	93.7
IV 700	75.6	86.7	89.2	91.3	92.8	93.3	93.8	94.2	94.4	94.9	95.2	95.2	95.3	95.3	95.4	95.4
IV 600	75.6	86.9	89.5	91.7	93.4	94.0	94.8	95.3	95.5	96.2	96.5	96.7	96.9	97.0	97.0	97.0
IV 500	75.6	87.1	89.7	92.0	93.9	94.5	95.7	96.3	96.5	97.3	97.7	97.8	98.1	98.2	98.3	98.3
IV 400	75.6	87.2	89.7	92.1	94.0	94.6	96.0	96.7	96.9	97.8	98.2	98.3	98.6	98.7	98.8	98.8
IV 300	75.6	87.2	89.8	92.2	94.1	94.7	96.1	96.8	97.0	98.0	98.7	98.8	99.1	99.2	99.4	99.4
IV 200	75.6	87.2	89.8	92.2	94.1	94.7	96.1	96.8	97.1	98.0	98.8	99.1	99.3	99.4	99.7	99.7
IV 100	75.6	87.2	89.8	92.2	94.1	94.7	96.1	96.8	97.1	98.0	98.9	99.2	99.5	99.6	99.9	100.0
IV 0	75.6	87.2	89.8	92.2	94.1	94.7	96.1	96.8	97.1	98.0	98.9	99.2	99.5	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2600

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-45, 47-49, 56-72  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.4	55.0	55.6	55.9	56.0	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 20000	58.6	63.1	63.8	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.4	64.4
IV 18000	59.0	63.3	64.0	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.6	64.6	64.6
IV 16000	59.1	63.4	64.0	64.5	64.5	64.5	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.7	64.7	64.7
IV 14000	59.4	63.8	64.4	64.9	64.9	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1
IV 12000	60.4	65.0	65.7	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4
IV 10000	62.6	67.4	68.1	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.8	68.8	68.8
IV 9000	63.0	67.9	68.7	69.1	69.2	69.2	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.4	69.4
IV 8000	64.5	69.5	70.2	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.9	70.9	70.9
IV 7000	65.6	70.7	71.4	71.9	71.9	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.1	72.1
IV 6000	66.0	71.3	72.1	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8
IV 5000	66.8	72.7	73.4	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.1
IV 4500	67.4	73.2	74.0	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.7	74.7
IV 4000	68.0	74.2	75.0	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.7
IV 3500	68.7	75.1	75.9	76.4	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.8	76.8
IV 3000	70.2	76.8	77.8	78.3	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7
IV 2500	71.2	78.7	79.8	80.5	80.7	80.7	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 2000	72.0	80.5	81.8	82.6	82.9	83.0	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.3	83.3
IV 1800	72.5	81.3	82.6	83.5	83.9	84.0	84.1	84.1	84.1	84.2	84.2	84.2	84.3	84.3	84.3	84.3
IV 1500	73.5	82.8	84.3	85.5	86.1	86.2	86.4	86.4	86.4	86.5	86.5	86.5	86.6	86.6	86.6	86.6
IV 1200	74.2	83.9	85.6	87.0	87.6	87.8	88.0	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1000	74.5	84.8	86.6	88.3	89.1	89.3	89.8	89.9	90.0	90.1	90.1	90.1	90.3	90.3	90.3	90.3
IV 900	74.6	85.4	87.2	89.0	90.0	90.3	90.8	90.9	91.0	91.2	91.2	91.2	91.3	91.3	91.4	91.4
IV 800	74.8	85.8	87.7	89.7	90.8	91.1	91.8	92.0	92.1	92.3	92.3	92.3	92.5	92.5	92.5	92.5
IV 700	74.8	86.2	88.3	90.5	91.6	92.2	93.0	93.1	93.3	93.5	93.6	93.6	93.8	93.8	93.8	93.8
IV 600	74.9	86.5	88.6	91.0	92.2	92.8	93.9	94.1	94.3	94.6	94.9	95.1	95.1	95.1	95.2	95.2
IV 500	74.9	86.7	88.9	91.4	92.6	93.2	94.5	94.8	94.9	95.3	95.8	95.8	96.0	96.0	96.0	96.0
IV 400	75.0	86.8	89.1	91.6	93.0	93.6	94.9	95.3	95.4	95.9	96.5	96.5	96.7	96.7	96.7	96.7
IV 300	75.0	86.9	89.2	91.7	93.1	93.9	95.3	95.7	95.9	96.7	97.6	97.7	98.0	98.1	98.1	98.1
IV 200	75.0	86.9	89.2	91.7	93.1	93.9	95.4	95.9	96.0	96.9	98.0	98.1	98.5	98.7	98.8	98.8
IV 100	75.0	86.9	89.2	91.7	93.1	93.9	95.5	96.0	96.2	97.2	98.3	98.5	99.0	99.2	99.3	99.4
IV 0	75.0	86.9	89.2	91.7	93.1	93.9	95.5	96.0	96.2	97.2	98.3	98.5	99.1	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2392

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/5	≥ 2/5	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	50.8	54.8	55.2	55.5	55.8	55.8	55.9	55.9	55.9	56.0	56.0	56.0	56.1	56.1	56.3	56.3
IV 20000	58.5	63.3	63.7	64.2	64.5	64.5	64.6	64.6	64.6	64.7	64.7	64.7	64.8	64.8	65.0	65.0
IV 18000	58.6	63.4	63.8	64.3	64.6	64.6	64.7	64.7	64.7	64.8	64.8	64.8	64.9	64.9	65.0	65.0
IV 16000	58.8	63.6	64.0	64.4	64.7	64.7	64.8	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.2	65.2
IV 14000	58.9	63.9	64.3	64.7	65.0	65.0	65.1	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.5	65.5
IV 12000	59.6	64.7	65.2	65.6	65.9	65.9	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.4	66.4
IV 10000	61.3	66.5	66.9	67.4	67.7	67.7	67.7	67.8	67.8	67.9	67.9	67.9	68.0	68.0	68.1	68.1
IV 9000	61.5	66.7	67.1	67.6	67.9	67.9	68.0	68.0	68.0	68.1	68.1	68.1	68.2	68.2	68.4	68.4
IV 8000	62.8	68.2	68.7	69.2	69.5	69.5	69.6	69.6	69.6	69.7	69.7	69.7	69.8	69.8	70.0	70.0
IV 7000	63.5	69.2	69.7	70.2	70.5	70.5	70.6	70.6	70.6	70.7	70.7	70.7	70.8	70.8	71.0	71.0
IV 6000	64.5	70.5	71.0	71.5	71.8	71.8	71.9	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.3	72.3
IV 5000	65.1	71.5	72.0	72.6	72.9	72.9	73.0	73.0	73.0	73.1	73.1	73.1	73.2	73.2	73.4	73.4
IV 4500	65.6	72.0	72.5	73.1	73.4	73.4	73.6	73.6	73.6	73.7	73.7	73.7	73.8	73.8	73.9	73.9
IV 4000	66.5	73.2	73.7	74.3	74.6	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.9	74.9	75.1	75.1
IV 3500	67.3	74.4	75.0	75.7	76.0	76.0	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.5	76.5
IV 3000	68.0	75.3	76.0	76.8	77.2	77.2	77.3	77.4	77.4	77.5	77.5	77.5	77.6	77.6	77.7	77.7
IV 2500	69.1	76.9	77.7	78.5	78.9	78.9	79.0	79.1	79.1	79.2	79.2	79.2	79.3	79.3	79.5	79.5
IV 2000	71.2	79.9	80.9	81.8	82.2	82.2	82.4	82.5	82.5	82.6	82.6	82.6	82.7	82.7	82.9	82.9
IV 1800	71.8	80.8	81.9	82.8	83.3	83.3	83.5	83.6	83.6	83.9	83.9	83.9	84.0	84.0	84.1	84.1
IV 1500	72.3	81.9	83.1	84.4	85.1	85.1	85.3	85.5	85.5	85.8	85.8	85.8	85.8	85.8	86.0	86.0
IV 1200	73.3	83.2	84.5	85.8	86.7	86.8	87.2	87.4	87.4	87.7	87.7	87.7	87.8	87.8	88.0	88.0
IV 1000	73.8	84.5	85.9	87.5	88.7	88.8	89.3	89.7	89.7	90.1	90.1	90.1	90.2	90.2	90.3	90.3
IV 900	74.0	85.0	86.5	88.1	89.8	90.0	90.6	90.9	90.9	91.3	91.3	91.3	91.4	91.4	91.6	91.6
IV 800	74.3	85.8	87.4	89.0	90.8	91.0	91.6	91.9	91.9	92.4	92.4	92.4	92.5	92.5	92.6	92.6
IV 700	74.4	86.0	87.8	89.6	91.4	91.6	92.2	92.6	92.6	93.2	93.2	93.2	93.3	93.3	93.5	93.5
IV 600	74.4	86.2	88.1	90.0	91.9	92.1	92.8	93.2	93.2	93.8	93.9	93.9	94.1	94.1	94.2	94.2
IV 500	74.5	86.4	88.4	90.5	92.5	92.7	93.5	94.0	94.1	94.8	95.1	95.1	95.4	95.4	95.6	95.6
IV 400	74.5	86.4	88.5	90.7	92.8	93.1	94.1	94.5	94.6	95.4	95.9	95.9	96.2	96.2	96.4	96.4
IV 300	74.5	86.4	88.5	90.7	92.9	93.2	94.3	94.8	94.9	95.8	96.6	96.6	96.9	96.9	97.1	97.1
IV 200	74.5	86.4	88.5	90.7	92.9	93.2	94.4	94.9	95.0	96.1	97.0	97.0	97.6	97.6	97.9	97.9
IV 100	74.5	86.4	88.6	90.8	93.0	93.3	94.7	95.3	95.5	96.6	97.6	97.6	98.4	98.4	98.8	98.8
IV 0	74.5	86.4	88.6	90.8	93.0	93.3	94.7	95.3	95.5	96.6	97.6	97.6	98.5	98.5	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2337



SKY COVER SUMMARY

Due to the reporting of total cloud amount in GWC tapes for airways hourly observations Jan 71 and later; clear, scattered, broken, overcast, partial and obscured are converted to 0, 3, 9, 10, 9 and 10 tenths. The sky cover summary for this station is limited to the period of record through Dec 70.

## PART D

## SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

46-50,56-70  
PERIOD

ALL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	30.6	4.3	5.0	4.0	3.0	1.8	2.7	3.4	4.0	2.9	38.3	5.3	13753
FEB		27.2	4.3	5.0	4.0	3.5	2.1	2.9	3.6	4.5	3.3	39.5	5.5	12349
MAR		24.0	4.4	4.3	3.9	3.6	2.0	3.1	4.0	5.6	3.5	41.1	5.8	13354
APR		23.2	4.7	5.2	5.2	4.2	2.8	3.5	4.9	6.0	3.9	36.6	5.7	12736
MAY		21.5	5.5	5.9	5.3	4.7	3.0	4.2	5.3	6.5	4.3	33.9	5.6	12780
JUN		19.8	6.0	6.9	6.3	5.4	4.1	4.4	6.2	8.2	5.1	27.7	5.4	11997
JUL		23.5	8.0	8.1	7.1	6.0	4.8	4.3	6.6	7.9	5.0	18.9	4.6	12923
AUG		30.2	7.6	7.9	6.8	5.7	4.5	4.0	5.4	5.7	4.4	17.9	4.1	13410
SEP		36.9	5.6	6.4	5.1	4.2	2.9	2.8	3.7	5.2	3.9	23.3	4.2	13306
OCT		41.0	5.0	5.2	4.8	3.6	2.6	3.2	3.4	4.5	3.5	23.1	4.0	13738
NOV		34.8	4.6	4.6	4.3	3.3	2.0	3.1	3.7	4.9	3.4	31.4	4.8	13303
DEC		29.6	4.3	4.8	4.1	3.4	2.1	2.7	3.5	4.6	3.2	37.9	5.4	13758
TOTALS		28.6	5.4	5.8	5.1	4.2	2.9	3.4	4.5	5.6	3.9	30.8	5.0	157407

USAFETAC

FORM  
JUL 64

0-9.5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

46-50,57-70  
PERIOD

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	20-02	40.7	3.1	3.7	4.5	2.0	1.2	1.8	3.0	2.3	1.0	36.7	4.6	1674
	03-05	41.3	1.8	4.1	3.5	2.6	1.0	2.3	2.7	2.2	1.0	37.6	4.7	1674
	06-08	29.9	5.0	3.6	3.5	3.9	1.9	3.2	2.7	5.2	2.4	36.8	5.2	1764
	09-11	23.2	4.9	4.8	3.6	2.9	2.0	2.7	3.3	4.4	5.2	43.1	6.0	1766
	12-14	22.9	5.6	3.0	3.9	3.7	1.6	2.5	3.7	4.9	4.8	41.5	5.9	1765
	15-17	20.2	5.9	3.9	4.5	3.3	2.3	3.5	4.8	4.8	5.4	39.3	5.9	1765
	18-20	28.2	5.1	5.9	4.6	2.6	2.5	3.1	4.1	4.2	2.8	36.9	5.3	1671
	21-23	38.3	2.8	4.6	3.9	2.9	2.1	2.7	3.0	3.8	.8	34.8	4.7	1674
TOTALS		30.6	4.3	5.0	4.0	3.0	1.8	2.7	3.4	4.0	2.9	38.3	5.3	13753

USAFETAC

FORM  
JUL 64

0-9-5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

47-50,56-70  
PERIOD

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
FEB	00-02	37.3	2.2	4.1	4.1	3.6	1.3	2.9	2.7	2.4	.8	38.6	4.9	1440
	03-05	37.2	2.1	4.2	2.5	2.8	1.9	2.6	3.1	3.0	1.7	38.8	5.0	1440
	06-08	25.1	4.6	6.0	4.2	3.2	2.4	2.7	3.6	5.0	3.0	40.1	5.6	1609
	09-11	20.0	6.0	4.8	4.0	3.8	1.9	2.0	3.4	5.1	6.1	42.9	6.1	1310
	12-14	19.1	5.8	6.5	4.7	3.2	2.6	3.0	3.9	6.2	4.8	40.2	6.0	1611
	15-17	17.1	6.1	6.0	4.5	4.0	2.9	3.1	4.1	6.6	5.3	40.2	6.1	1610
	18-20	25.2	5.0	4.2	4.4	4.2	2.1	3.6	4.7	5.2	3.4	38.2	5.6	1517
	21-23	36.4	2.4	4.4	3.9	3.0	1.7	3.6	3.0	2.8	1.4	37.3	4.9	1512
TOTALS		27.2	4.3	5.0	4.0	3.5	2.1	2.9	3.6	4.5	3.3	39.5	5.5	12349

## SKY COVER

MAR  
MONTH

MONTH	HOURS (L.S.T)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02	40.2	2.7	3.8	2.7	2.5	1.0	1.9	2.8	2.9	1.6	37.8	4.8	1580
	03-05	36.8	2.3	3.3	3.4	2.5	1.9	2.6	2.4	3.2	1.1	40.5	5.1	1579
	06-08	19.8	5.9	5.1	4.8	3.1	1.6	3.4	4.2	6.9	3.5	41.9	6.1	1756
	09-11	17.2	5.1	3.4	4.3	4.2	2.0	3.2	4.9	6.5	4.8	44.3	6.4	1757
	12-14	15.7	4.0	4.4	4.3	3.8	2.9	2.9	4.2	8.2	6.9	42.6	6.6	1754
	15-17	13.5	5.7	5.1	4.4	4.1	2.9	3.3	5.4	6.7	5.3	43.6	6.6	1737
	18-20	19.6	5.8	5.0	3.7	4.3	2.7	4.1	4.2	7.1	3.1	40.3	6.0	1601
	21-23	34.1	3.5	4.6	3.5	4.0	1.3	3.0	4.1	3.4	1.3	37.4	5.0	1590
TOTALS		24.6	4.4	4.3	3.9	3.6	2.0	3.1	4.0	5.6	3.5	41.1	5.8	13354

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

13947

FORT RILEY KANSAS/MARSHALL AAF

47-50,56-70

APR

STATION

STATION NAME

PERIOD

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02	38.2	2.7	4.8	4.8	3.7	2.0	2.7	3.0	3.9	1.2	33.0	4.6	1529
	03-05	32.1	3.4	5.4	4.2	4.1	2.3	2.5	4.7	4.2	2.3	34.8	5.0	1530
	06-08	16.9	4.9	5.2	5.1	3.9	2.7	4.3	5.9	7.1	4.8	39.3	6.2	1670
	09-11	16.3	5.6	5.7	5.0	3.7	2.9	3.9	5.7	6.2	5.0	39.9	6.2	1671
	12-14	14.8	6.0	5.4	5.4	4.4	3.4	3.6	5.6	7.5	4.8	39.2	6.2	1659
	15-17	13.2	5.5	4.8	6.0	4.9	4.3	3.8	5.8	7.4	5.4	39.0	6.4	1617
	18-20	19.0	5.9	5.2	5.5	4.8	2.4	4.0	5.2	7.1	5.0	35.0	5.8	1530
	21-23	35.0	3.6	5.1	4.5	3.7	2.7	2.9	2.9	4.2	2.4	32.9	4.8	1530
TOTALS		23.2	4.7	5.2	5.2	4.2	2.8	3.5	4.9	6.0	3.9	36.6	5.7	12736

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

47-50,56-70  
PERIOD

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	37.6	2.9	5.7	3.4	3.9	1.1	3.7	3.3	3.9	.8	33.7	4.7	1531
	03-05	28.6	4.8	5.6	5.0	3.4	2.3	3.5	4.8	4.9	2.2	34.9	5.2	1532
	06-08	16.6	5.8	5.4	4.8	4.5	3.0	3.3	4.3	7.8	6.9	37.5	6.1	1682
	09-11	15.8	7.4	4.2	5.2	4.4	3.7	3.8	5.5	7.1	4.2	38.8	6.1	1680
	12-14	12.4	5.5	5.8	5.1	5.0	4.1	5.9	6.8	9.0	5.4	35.0	6.3	1668
	15-17	12.6	6.4	5.9	6.8	6.8	4.5	5.1	7.3	7.1	7.0	30.5	5.9	1622
	18-20	18.5	6.8	7.6	6.6	4.3	3.1	3.8	6.5	7.6	5.1	30.1	5.5	1533
	21-23	29.9	4.2	6.7	5.2	5.5	2.0	4.2	4.0	4.9	2.9	30.5	4.9	1532
TOTALS		21.5	5.5	5.9	5.3	4.7	3.0	4.2	5.3	6.5	4.3	33.9	5.6	12780



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

47-49,56-70  
PERIOD

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00-02	32.8	4.2	7.2	5.6	3.5	2.1	2.8	4.0	4.3	1.8	31.7	4.7	1437
	03-05	22.9	5.1	6.1	6.7	4.9	3.7	3.5	5.7	5.6	2.3	33.6	5.4	1440
	06-08	14.2	4.8	6.3	5.5	4.3	2.8	4.2	6.2	9.0	7.4	35.2	6.3	1575
	09-11	17.3	5.1	5.6	4.5	4.5	4.2	5.2	6.0	9.1	6.9	31.6	5.9	1578
	12-14	14.2	5.4	6.1	7.1	6.1	5.9	5.9	7.3	9.5	6.6	25.5	5.7	1565
	15-17	12.8	7.2	7.0	8.2	8.7	6.1	5.8	8.3	10.9	6.2	18.8	5.4	1523
	18-20	17.5	9.1	9.5	5.8	6.0	4.2	4.1	6.9	11.0	6.0	19.9	5.0	1439
	21-23	26.8	6.5	7.0	7.2	5.3	3.8	4.0	5.1	5.8	3.2	25.2	4.7	1440
TOTALS		19.8	6.0	6.9	6.3	5.4	4.1	4.4	6.2	8.2	5.1	27.7	5.4	11997

## SKY COVER

JUL  
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	40.0	5.0	7.5	4.4	3.6	1.9	3.3	5.3	5.0	2.1	21.7	3.9	1512
	03-05	28.1	6.1	7.9	5.7	5.3	4.0	3.8	5.3	5.7	2.8	25.3	4.6	1515
	06-08	16.6	7.1	6.0	7.1	5.6	4.0	4.3	7.1	8.8	8.1	25.4	5.6	1730
	09-11	18.3	7.9	8.3	7.1	5.1	4.7	3.8	6.9	9.0	7.4	21.6	5.1	1726
	12-14	16.4	8.4	8.0	7.7	7.7	6.4	4.5	8.3	10.3	5.8	16.5	4.9	1720
	15-17	15.7	9.6	8.2	9.3	8.5	7.9	5.4	8.4	9.6	5.9	11.4	4.6	1690
	18-20	20.9	11.9	9.9	8.1	6.1	5.9	5.0	6.3	8.3	4.7	12.9	4.2	1515
	21-23	31.8	7.8	8.6	7.5	6.0	3.8	3.9	4.9	6.6	3.0	16.2	3.9	1515
TOTALS		23.5	8.0	8.1	7.1	6.0	4.8	4.3	6.6	7.9	5.0	18.9	4.6	12923

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SKY COVER

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

46-49,56-70  
PERIOD

AUG  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
AUG	00-02	46.1	4.6	7.3	5.2	4.8	2.7	2.2	3.9	4.4	1.5	17.1	3.3	1623
	03-05	39.4	6.1	6.7	4.7	4.3	2.9	2.8	4.1	4.4	3.6	21.0	3.9	1622
	06-08	22.6	8.2	7.1	6.0	4.4	4.7	3.5	6.6	7.4	5.5	23.8	5.0	1749
	09-11	25.9	7.7	7.0	6.7	4.8	4.7	3.5	6.4	6.1	7.3	20.0	4.6	1751
	12-14	20.3	7.8	8.6	7.8	7.5	7.4	4.7	6.2	7.0	6.0	16.8	4.6	1753
	15-17	19.1	6.9	8.7	10.9	8.7	7.2	5.8	6.0	7.3	5.1	14.3	4.5	1739
	18-20	27.7	10.9	9.1	7.8	5.8	3.7	4.9	6.3	5.5	4.3	14.0	3.9	1593
	21-23	40.7	8.2	8.4	5.5	5.2	2.9	4.2	3.5	3.7	1.8	15.8	3.3	1580
TOTALS		30.2	7.6	7.9	6.8	5.7	4.5	4.0	5.4	5.7	4.4	17.9	4.1	13410

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

46-49,56-70  
PERIOD

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02	51.2	2.2	5.9	3.5	3.3	1.4	2.5	1.9	3.3	2.0	22.7	3.5	1620
	03-05	45.9	3.9	5.2	5.2	3.4	2.5	2.2	3.1	3.0	1.9	23.7	3.7	1620
	06-08	30.9	7.0	6.1	4.4	4.4	3.2	3.2	3.3	6.0	4.6	27.0	4.7	1705
	09-11	30.5	7.5	6.5	4.7	4.3	3.0	1.6	4.3	5.8	5.6	26.2	4.7	1709
	12-14	26.5	6.7	6.9	6.6	4.3	5.4	3.5	4.4	6.6	4.9	24.2	4.8	1708
	15-17	25.4	7.0	8.0	6.9	5.4	3.7	3.8	4.7	7.1	6.1	21.9	4.7	1705
	18-20	35.2	6.7	7.2	5.7	5.0	2.3	3.5	4.6	5.8	4.1	19.9	4.0	1620
	21-23	49.9	3.5	5.3	3.3	3.3	2.0	2.4	3.0	3.7	2.3	21.0	3.4	1619
TOTALS		36.9	5.6	6.4	5.1	4.2	2.9	2.8	3.7	5.2	3.9	23.3	4.2	13306

USAFETAC

FORM 0.9.5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

13947

46-49, 56-70

7CT

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
OCT	00-02	55.5	2.5	3.8	2.9	2.6	1.8	2.2	2.6	2.7	1.7	21.7	3.2	1671
	03-05	52.2	3.1	4.1	4.7	2.2	1.9	2.1	1.9	3.7	1.5	22.7	3.4	1673
	06-08	34.9	5.4	5.6	3.4	4.0	2.9	3.3	4.3	5.2	3.9	25.1	4.4	1763
	09-11	31.0	7.5	5.9	4.3	3.3	3.0	4.3	3.5	4.8	6.4	26.1	4.7	1759
	12-14	32.0	6.1	5.1	5.0	4.9	3.7	4.1	4.4	5.7	5.3	23.7	4.5	1757
	15-17	29.8	6.6	6.6	7.6	4.3	3.7	3.9	4.9	5.2	4.2	23.2	4.5	1767
	18-20	40.0	5.5	6.0	4.1	5.2	2.4	3.4	3.6	5.1	3.0	21.7	3.9	1674
	21-23	52.8	3.5	4.8	4.4	2.2	1.7	2.2	2.1	3.8	1.7	20.7	3.3	1674
TOTALS		41.0	5.0	5.2	4.8	3.6	2.6	3.2	3.4	4.5	3.5	23.1	4.0	13738

## SKY COVER

NGV  
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NQV	00-02	45.8	2.5	5.1	3.7	2.9	1.2	2.4	2.4	3.0	1.1	29.8	4.0	1619
	03-05	44.5	2.5	3.1	4.3	3.1	1.4	2.5	2.8	3.0	1.1	31.7	4.3	1619
	06-08	32.4	6.0	4.0	4.8	2.9	2.1	2.3	3.8	5.4	3.3	33.0	4.9	1709
	09-11	27.1	5.2	5.0	4.0	3.0	2.1	3.2	3.9	6.0	5.4	34.9	5.4	1710
	12-14	24.9	6.0	4.9	5.0	3.9	2.8	3.8	4.2	5.7	5.8	32.3	5.4	1704
	15-17	23.5	7.7	5.7	4.8	2.9	2.9	4.8	5.0	6.9	5.0	30.7	5.3	1703
	18-20	35.2	4.3	5.0	4.3	4.5	1.4	3.2	4.6	5.0	3.0	29.6	4.7	1619
	21-23	44.8	2.3	4.3	3.8	3.5	1.7	2.3	2.9	3.9	2.3	28.3	4.1	1620
TOTALS		34.8	4.6	4.6	4.3	3.3	2.0	3.1	3.7	4.9	3.4	31.4	4.8	13303

## SKY COVER

13947  
STATION

FORT RILEY KANSAS/MARSHALL AFB  
STATION NAME

46-49, 56-70

DEL  
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02	38.8	3.3	4.7	4.1	2.5	1.1	2.2	3.3	3.2	1.6	35.4	4.7	1673
	03-05	42.7	2.4	4.8	3.3	2.9	1.6	1.4	2.0	2.7	1.0	35.1	4.5	1674
	06-08	29.4	5.3	5.6	4.3	3.5	2.4	2.2	3.7	5.2	3.1	35.5	5.2	1764
	09-11	20.7	5.0	5.0	3.6	3.0	2.5	2.8	3.7	5.9	6.4	41.1	6.1	1767
	12-14	18.4	5.8	4.6	4.3	4.4	2.1	3.0	4.4	6.8	4.4	41.8	6.2	1766
	15-17	22.1	5.2	4.2	3.8	4.4	3.0	3.3	4.9	5.5	4.9	38.7	5.9	1766
	18-20	29.0	4.4	5.1	4.5	3.5	2.8	3.3	3.0	4.2	2.4	37.6	5.3	1674
	21-23	35.8	2.6	4.4	4.7	2.7	1.5	3.0	2.9	3.2	1.4	37.7	5.0	1674
TOTALS		29.6	4.3	4.8	4.1	3.4	2.1	2.7	3.5	4.6	3.2	37.9	5.4	13758

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperatures
  - b. Daily minimum temperatures
  - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Continued on Reverse



3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.  
This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

AT, PG, SC, H, RA, L, O

2000

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1. J. L. C. : 2. SAC/ ARS/ALI. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838

19-40, 20-7.

## DAILY TEMPERATURES

STATION

STATION NAME

**YEARS**

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

TEMP. (°F)	JAN.	FEB	MAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
110							2.2		1.1				3.3
105							2.4	1.1	2.6				6.1
100					1.1	1.7	12.5	9.9	2.4	1.1			27.2
95					1.6	10.4	28.9	26.7	6.3	1.7			75.3
90			1.1	7.7	7.1	27.4	54.5	51.3	22.1	2.1			177.7
85		1.1	3.3	4.5	22.4	54.8	79.2	71.7	31.9	10.1			373.1
80		3.3	7.2	13.6	42.4	76.4	93.7	86.1	54.5	25.3	1.1		512.5
75		7.7	11.1	26.6	52.5	88.9	97.8	95.9	71.9	40.1	2.2	1.1	927.7
70	1.1	17.7	16.0	43.0	77.7	95.0	99.8	99.8	86.5	56.1	7.2		1411.1
65	2.2	4.1	24.5	57.4	86.2	98.3	100.0	100.0	75.7	70.1	20.5	3.3	2051.1
60	3.3	10.5	34.3	71.4	93.3	99.3			97.3	81.7	34.2	9.1	3111.1
55	11.1	20.2	44.8	82.7	96.0	100.0			95.5	91.4	47.3	19.7	779.7
50	21.1	31.8	55.5	91.3	99.2				99.8	95.9	61.8	37.4	1412.2
45	31.1	43.7	66.4	96.8	100.0				100.0	99.7	77.1	41.1	770.1
40	41.7	56.2	79.2	99.4						99.7	87.1	54.7	684.4
35	51.1	72.6	83.8	100.0						99.9	91.1	70.2	900.0
30	71.4	83.2	94.8							100.0	97.0	81.4	944.1
25	81.1	91.9	97.2								99.5	90.7	957.7
20	97.2	96.3	96.1								97.9	95.1	971.1
15	97.1	99.2	99.7								100.0	98.3	997.1
10	97.1	100.0	99.9									99.9	997.1
5	97.1		100.0									100.0	997.1
0	99.1												100.0
-5	100.0												100.0
MEAN	57.7	42.5	52.7	66.3	75.3	84.6	93.5	89.0	80.7	70.7	52.1	41.1	67.8
S.D.	17.1	11.9	15.7	11.6	10.7	8.1	7.5	7.0	10.4	11.2	11.2	11.1	11.7
TOTAL OBS	10	762	117	807	43	703	214	84	639	211	32	11	417

# DAILY TEMPERATURES

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
10													
11													
12													
13													
14													
15													
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95													
96													
97													
98													
99													
100													
MEAN													
S.D.													
TOTAL OBS.													

# DAILY TEMPERATURES

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

TEMP. (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
92													
90						1.2	6.4	17.0	4.2				
88					1.9	6.5	21.5	17.0	4.2				
86					1.9	23.0	47.4	44.0	14.7				11.0
84			1.1	2.1	1.7	3.1	77.3	67.3	2.0	4.1			11.1
82			1.2	7.2	3.8	7.2	94.4	69.0	42.1	13.0			1.1
80			1.7	15.2	22.3	80.6	95.3	97.0	87.9	27.0	1.7		17.0
78			2.1	33.8	71.4	97.7	100.0	99.9	68.9	46.0	1.0		1.1
76		1.0	1.0	15.2	49.0	92.0		100.0	91.4	83.0	1.0	1.0	1.0
74		1.0	4.1	21.5	80.6	91.1	100.0		91.0	80.0	1.0	4.0	2.0
72		4.0	12.0	30.3	63.8	70.4			92.0	92.0	41.2	12.0	6.0
70		12.0	28.0	50.6	84.2	100.0			100.0	98.1	4.2	27.0	7.0
68		2.0	42.3	71.0	78.1					99.0	1.0	44.0	6.0
66		47.0	66.7	84.8	100.0					99.0	1.0	60.0	8.0
64		6.0	75.4	91.3						100.0	27.0	7.0	11.1
62		11.0	83.9	91.8							1.4	85.0	2.0
60		11.0	94.4	91.7							22.0	91.0	97.3
58		11.0	98.6	98.3							100.0	90.0	9.0
56		11.0	98.6	98.8								99.0	4.0
54		11.0	99.7	100.0								100.0	45.0
52		100.0											100.0
50	100.0												100.0
48													
46													
44													
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-4													
-6													
-8													
-10													
MEAN		32.1	41.4	54.7	65.0	76.2	79.4	77.0	67.0	51.0	41.0	35.0	
S.D.		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
TOTAL OBS		71.0	1.7	4.0	1.0	70.0	11.0	1.0	1.0	1.0	1.0	1.0	

DATA PROCESSING BRANCH  
USAF/ETAC/CL A  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1947			83	85	90	98	107	103	107	77	72	77	
1948	45	65	88	85	92	102	109	104	97	91	73	64	103
1949		61	75	83	90*	97	108		97	87	73	66	
1950	63	61	79	92	91	92	103	102	92	95	77	60	102
1951	81	70	84	90	91	96	101	106	94	91	71	67	106
1952	66	74	66	76	74	95	98	104	94	82	79	47	104
1953	59	67	82	82	89	94	99	97	90	80	70	67	95
1954	60						106	106	94	81	70	71	
1955	64	67	78*	77*	80			103	112	74	64	66	
1956	55	70	78	89	89	76	96	100	98	84	71	63	100
1957	53	61	75	84	88	97	105	100	88	71	70	60	105
1958	66	70	86	92*	94								
1959		64*	83*	87*	97*	104*	108	106	105	97	72	66	
1960	59	64	78	79	81	97	103	101	93	92	74	62	104
1961	56	70	59	79	92	97	97	100	95	89	75	60	100
1962	55	64	75	88	93	97	97	102	97	75	77	66	102
1963	63	55	81	83	91	103	103	107	97	58	70	58	103
1964	61	67	73	80	90	96	103	100	98	82	74	65	103
1965	54	69	79	87	93	91	96	105	91	83	73	72	103
1966	61	71	87	84	93	97	105	105	95	100	74	68	103
1967	69	59	74	87	94	97	105	101	94	84	80	64	105
1968	60	66	70	94	88	93	102	100	95	92	77	64	102
1969	50	67	90	82	95	104	112	99	91	85	74	65	112
1970	70	74	89	100	100	90	99	90	86	80	70	62	100
1971	67	60	84	82	89	101	96	95	94	89	68	59	101
1972	54	52	77	79	87	95	100	102	93	83	76	50	102
73	60	72	78	90	89	96	105	106	100	83	71	67	104
74	53	67	81	86	89	103	99	97	104*	91*	78*	56	104
75	* 61*	84	87	85*	88	96*	106	94*	100*	88*	67*	64	* 102
MEAN	59.5	66.5	77.3	85.5	91.1	97.2	102.4	101.4	96.3	87.8	73.6	63.7	103.1
S.D.	4.190	6.701	7.034	4.727	3.775	2.787	4.379	3.534	5.609	4.993	3.547	4.454	3.322
TOTAL OBS.	805	763	867	807	840	766	814	920	839	854	438	463	9876

NOTES \* (BASED ON < FULL MONTHS)

# (AT LEAST ONE DAY < 24 HRS)

USAF ETAC FORM 0-88-5 (OUI)

DATA PROCESSING BRANCH  
USAF/ETAC/IL A  
AIR CATER SERVICE/AC

# EXTREME VALUES MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

13947 RIFT RILEY KANSAS/MARSHALL AFB 39-50, 96-72

STATION

STATION NAME

YEARS

WIND DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN	JUL	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
31			1	22	36	51	59	51	31	21	18	-7	
40	-15		18	19	35	49	50	52	36	32	3	7	-13
41		11	13	24	42	48	55		42	27	15	12	
4	-9	7	18	23	35	43	54	54	34	13	17	9	-9
42	-14	12	-2	31	47	55	57	47	41	28	14	-11	-13
46	-2	-1	13	20	27	50	52	52	42	31	12	7	-2
47	5	12	10	28	32	43	57	53	39	29	17	-12	-9
5	7						56	46	33	32	19	-7	
47	-26	-2	7	37	33			63	40	33	12	2	
4	-13	-3	-10	27	35	49	54	52	40	28	14	2	-13
5	-6	5	5	27	44	54	55	51	31	21	20	6	-6
52	-2		7	18	34								
53		# -11	9	27	45	50	55	47	40	34	15	7	
57	1	12	15	23	36	50	59	59	45	23	21	5	1
5	2	1	18	33	37	50	59	51	38	22	7	-1	-1
54	-20	-1	20	26	37	50	53	52	42	31	6	16	-20
61	1	-2	-3	30	35	52	53	57	45	24	16	6	-3
61	-3	1	20	22	29	50	54	47	36	20	17	-11	-11
62	-10	-2	-1	19	41	54	55	53	40	27	20	-8	-10
63	-10	5	18	27	36	56	62	54	41	29	17	-5	-10
64	-9	5	13	30	38	40	55	48	36	23	9	-7	-9
65	2	-5	8	28	40	53	55	52	37	26	9	14	-5
66	-7	0	14	25	33	52	65	54	39	21	12	-4	-7
67	-1	2	-5	20	32	50	48	47	33	30	18	-1	-5
68	-10	4	8	20	34	45	44	56	46	30	19	-7	-10
69	-10	5	2	30	38	47	59	57	43	22	16	5	-10
70	-3	4	16	18	33	49	48	51	39	27	9	13	-3
71	-14	-15	8	24	35	59	50	56	41	41	25	14	-18
72	# -8	-3	12	22	41	45	43	50	33	26	22	-2	-6
MEAN	-6.6	2.0	6.0	25.2	36.1	49.3	54.7	53.0	38.6	27.7	15.0	1.2	-1.4
S.D.	7.736	7.934	8.150	5.322	4.258	4.280	5.378	4.011	4.202	4.550	5.614	4.012	5.254
TOTAL OBS.	809	763	867	807	840	766	614	820	819	834	839	907	9176

NOTES: # (BASED ON < FULL MONTHS)

# (AT LEAST ONE DAY < 24 HRS)

USAF ETAC FORM 0-80 5 (OII)

## PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 38-50,56-72

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STATION

STATION NAME

YEARS

**MONTH**

PAGE 1

Δ11

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
112/111																		.0	4	4				
110/109																		.0	7	7				
108/107															.0	.0	.0	.0	32	32				
106/105														.0	.0	.0	.0	.0	32	32				
104/103										.0	.0	.0	.0	.0	.0	.0	.0	.0	200	200				
102/101									.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	299	299				
100/ 99									.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	525	525				
98/ 97					.0		.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	725	725				
96/ 95						.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	1168	1168				
94/ 93			.0		.0	.0	.0	.0	.1	.2	.1	.1	.1	.1	.0	.0	.0	.0	1572	1572				
92/ 91			.0		.0	.0	.0	.1	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	2106	2110				
90/ 89			.0	.0	.0	.0	.1	.3	.3	.2	.1	.1	.1	.0	.0	.0	.0	.0	2823	2824	4			
88/ 87			.0	.0	.0	.1	.3	.3	.3	.2	.1	.1	.1	.1	.0	.0	.0	.0	3322	3325	3			
86/ 85		.0	.0	.0	.1	.2	.4	.4	.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	4148	4150	11			
84/ 83		.0	.0	.0	.2	.4	.4	.4	.3	.2	.1	.1	.1	.0	.0	.0			4524	4628	44			
82/ 81	.0	.0	.0	.1	.3	.5	.4	.3	.2	.2	.1	.1	.1	.0	.0	.0			5348	5354	148			
80/ 79		.0	.1	.3	.5	.5	.4	.3	.3	.2	.1	.1	.1	.0	.0	.0			6411	6415	765			
78/ 77	.0	.0	.2	.5	.6	.4	.4	.3	.2	.1	.1	.1	.0	.0	.0				6590	6593	2289			
76/ 75	.0	.1	.5	.6	.6	.4	.3	.3	.2	.1	.1	.1	.0	.0					7299	7303	2644			
74/ 73	.0	.2	.6	.7	.4	.4	.3	.2	.2	.1	.1	.1	.0	.0					7327	7333	7330			
72/ 71	.0	.4	.6	.6	.5	.3	.3	.2	.2	.1	.1	.1	.0	.0					7549	7554	9341			
70/ 69	.1	.5	.7	.6	.4	.4	.4	.2	.2	.1	.1	.1	.0						8143	8151	10432			
68/ 67	.1	.6	.7	.5	.4	.3	.3	.2	.2	.1	.1	.1	.0	.0					7615	7627	10033			
66/ 65	.1	.6	.7	.5	.4	.3	.2	.2	.2	.1	.1	.1	.0	.0					7238	7248	9848			
64/ 63	.1	.7	.6	.4	.3	.2	.2	.2	.1	.1	.1	.1	.0						6696	6702	9205			
62/ 61	.1	.7	.5	.4	.3	.3	.2	.2	.1	.1	.1	.1	.0						6597	6599	8569			
60/ 59	.1	.7	.5	.4	.3	.3	.3	.2	.1	.1	.1	.1	.0						6648	6653	8101			
58/ 57	.1	.6	.5	.4	.3	.3	.3	.2	.1	.1	.1	.1	.0						6327	6331	7473			
56/ 55																								

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 38-50,56-72

STATION

STATION NAME

YEARS

ALL

MONTH

PAGE 2

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
44/ 43	.2	.6	.7	.0	.3	.1	.0	.0										5805	5826	7140	6085			
42/ 41	.2	.6	.7	.6	.3	.1	.0											5712	5733	6789	6188			
40/ 39	.2	.7	.9	.5	.3	.1	.0											6122	6143	6943	6404			
38/ 37	.2	.9	.8	.6	.2	.0	.0											6291	6313	7521	5200			
36/ 35	.2	1.2	.9	.5	.1	.0												6604	6623	7384	7432			
34/ 33	.3	1.3	.9	.3	.1	.0												6645	6659	7533	7533			
32/ 31	.3	1.4	.8	.3	.0	.0												6431	6439	8210	9132			
30/ 29	.4	1.3	.7	.2	.0	.0												5724	5735	7216	8610			
28/ 27	.4	1.2	.6	.1	.0													5024	5032	6798	6579			
26/ 25	.4	1.1	.4	.1	.0													4599	4610	5682	8089			
24/ 23	.3	.9	.4	.0														3547	3546	4589	6959			
22/ 21	.2	.9	.3	.0														3121	3128	3753	6339			
20/ 19	.3	.8	.2	.0														2781	2792	3366	4656			
18/ 17	.2	.6	.1	.0														2187	2195	2753	4773			
16/ 15	.2	.6	.1	.0														1969	1974	2278	3913			
14/ 13	.2	.4	.0															1526	1529	1834	3204			
12/ 11	.1	.4	.0															1315	1321	1533	2919			
10/ 9	.2	.3	.0															1202	1205	1371	2165			
8/ 7	.1	.3	.0															914	922	1078	2062			
6/ 5	.1	.2	.0															777	779	862	1841			
4/ 3	.1	.1	.0															493	507	609	1401			
2/ 1	.1	.1																395	399	402	1292			
0/ -1	.1	.1																289	295	373	956			
-2/ -3	.1	.0																214	217	228	621			
-4/ -5	.0	.0																160	163	181	670			
-6/ -7	.0	.0																86	91	110	477			
-8/ -9	.0	.0																57	59	63	400			
-10/-11	.0	.0																34	35	37	294			
-12/-13	.0																	14	14	14	169			
-14/-15	.0																	10	10	10	133			
-16/-17	.0																	8	6	6	126			
-18/-19	.0																	3	3	3	128			
-20/-21	.0																	1	1	1	37			
-22/-23	.0	.0																1	1	1	20			
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								



## PSYCHROMETRIC SUMMARY

YEARS

ALL  
MONTH

PAGE 3

ALL

HOURS (L, S, T.)

USAFETAC FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-50, 57-72

JAN  
MONTH

PAGE 1 ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
70/ 69										.0	.0							3	3					
68/ 67					.0		.0		.0	.0	.0							7	7					
66/ 65				.0	.0	.0	.0	.0	.0	.0	.0							14	16					
64/ 63		.0	.0	.1	.0	.0	.0	.0	.0	.0	.0							38	38					
62/ 61		.0	.0	.1			.0	.0	.0	.0	.0							55	55	5				
60/ 59		.1	.1	.0	.0	.0	.1	.1	.0	.0								77	77	25	11			
58/ 57	.0	.1	.1	.0	.0	.1	.1	.1	.0	.0								100	100	57	12			
56/ 55	.0	.1	.1	.1	.1	.1	.1	.1	.0									114	119	45	39			
54/ 53	.0	.1	.1	.1	.2	.2	.1	.0	.0									165	166	41	59			
52/ 51	.0	.1	.1	.2	.3	.3	.1	.1	.0									227	232	65	54			
50/ 49	.0	.1	.2	.4	.5	.2	.1	.1										295	299	80	36			
48/ 47	.0	.2	.3	.4	.6	.3	.1	.0										354	361	141	54			
46/ 45	.0	.4	.4	.7	.5	.3	.1											454	464	267	63			
44/ 43	.1	.5	.6	.8	.5	.2	.0											518	535	363	122			
42/ 41	.3	.7	.9	.9	.4	.2												651	670	524	224			
40/ 39	.4	.7	1.3	1.0	.5	.1												742	759	647	320			
38/ 37	.6	1.1	1.3	1.0	.4	.0												834	855	809	377			
36/ 35	.6	2.1	1.5	1.2	.2													1059	1076	943	519			
34/ 33	.6	2.8	1.8	.8	.1													1140	1155	1132	760			
32/ 31	.7	2.9	1.7	.7	.1													1174	1182	1369	1090			
30/ 29	.7	3.0	1.8	.4	.0													1130	1141	1277	1131			
28/ 27	1.0	2.9	1.4	.3														1057	1064	1323	942			
26/ 25	1.1	3.1	1.1	.2														1055	1064	1219	1232			
24/ 23	.9	2.6	1.0	.1														877	879	1045	1122			
22/ 21	.9	2.5	.8	.0														827	832	929	1135			
20/ 19	1.0	2.6	.7	.0														822	829	893	884			
18/ 17	.8	2.3	.5	.0														689	695	777	1032			
16/ 15	1.0	2.3	.5															714	717	800	915			
14/ 13	.9	2.1	.3															628	630	671	814			
12/ 11	.8	2.2	.2															604	607	651	821			
10/ 9	.9	1.9	.1															538	540	613	678			
8/ 7	.8	1.7	.0															483	487	543	648			
6/ 5	.8	1.6	.0															459	464	481	607			
4/ 3	.8	1.0	.0															303	315	387	523			
Element (X)	Σ x <sup>2</sup>		Σ x		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

ALL  
HOURS (1 - 5 - T -)

[illegible]

## PSYCHROMETRIC SUMMARY

FEB  
MONTH

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
80/ 79														.0				1	1																
78/ 77													.0					1	1																
76/ 75												.0						2	2																
74/ 73								.0		.0	.0	.0						8	8																
72/ 71							.0	.0	.0	.0	.0	.0	.0					11	11																
70/ 69							.0	.0	.0	.0	.0	.0						16	16																
68/ 67					.0	.0	.0	.1	.1	.0	.0	.0						36	36																
66/ 65					.0	.0	.1	.0	.0	.0	.0							37	37																
64/ 63	.0				.0	.0	.1	.0	.1	.0								57	57	1	1														
62/ 61		.0	.0	.0	.1	.1	.1	.1	.1	.1								103	103	1	1														
60/ 59		.0	.0	.1	.0	.1	.2	.1	.1									126	126	8	2														
58/ 57		.0	.0	.1	.1	.2	.2	.2	.0									160	160	27	5														
56/ 55	.0	.1	.1	.3	.2	.3	.3	.2	.0	.0								238	238	55	14														
54/ 53	.0	.1	.2	.2	.3	.4	.3	.1	.0									282	282	89	22														
52/ 51	.0	.2	.2	.3	.4	.4	.3	.1										327	327	130	47														
50/ 49	.0	.2	.3	.4	.6	.5	.2	.0										399	399	210	56														
48/ 47	.0	.2	.4	.5	.7	.6	.2	.0										429	429	264	79														
46/ 45	.0	.3	.5	.8	.6	.5	.1											488	488	336	140														
44/ 43	.0	.5	.8	.9	.7	.3	.1											561	561	472	133														
42/ 41	.1	.9	1.0	1.1	.7	.2	.0											686	687	583	210														
40/ 39	.3	1.1	1.5	1.0	.7	.2	.0											859	859	768	359														
38/ 37	.4	1.3	1.7	1.3	.6	.1												978	978	911	497														
36/ 35	.5	2.5	1.7	1.2	.3	.1												1081	1081	1073	647														
34/ 33	.7	2.6	2.3	.8	.2	.0												1148	1148	1235	802														
32/ 31	1.1	3.1	2.4	.6	.1	.0												1307	1307	1434	1227														
30/ 29	.9	3.2	2.0	.5	.1													1159	1159	1312	1226														
28/ 27	.8	3.3	1.9	.4	.0													1120	1120	1426	875														
26/ 25	1.3	3.2	1.4	.3	.0													1079	1079	1306	1301														
24/ 23	.7	2.5	1.1	.1														790	790	1018	1373														
22/ 21	.6	2.6	.9	.1														728	728	867	1249														

## PSYCHROMETRIC SUMMARY

YEARS

MONITOR

ALL

HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 47-50, 56-72

MAP  
MONTH

PAGE 1 ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
90/ 89													.0				.0	3	3						
88/ 87												.0	.0	.0			.0	8	8						
86/ 85											.0	.0	.0			.0	.0	8	8						
84/ 83										.0	.0	.0	.0	.0	.0		.0	19	19						
82/ 81									.0	.0	.0	.0		.0	.0			29	29						
80/ 79								.0	.0	.1	.1	.1	.1	.1	.0			68	68						
78/ 77						.0	.0	.0	.0	.1	.1	.1	.1	.1	.0			71	71						
76/ 75					.0	.0	.0	.0	.1	.1	.1	.1	.1					91	91						
74/ 73					.0	.0	.1	.1	.1	.1	.1	.1	.0					132	132						
72/ 71			.0	.0	.0	.1	.1	.1	.2	.1	.1	.1	.0					172	172						
70/ 69		.0	.0	.0	.1	.1	.1	.1	.2	.2	.2	.1						227	228						
68/ 67		.0	.0	.1	.1	.2	.2	.2	.2	.3	.1	.0						257	258	1	1				
66/ 65		.0	.0	.1	.2	.2	.2	.3	.3	.2	.1	.0						286	287	22	3				
64/ 63		.0	.1	.2	.2	.2	.2	.3	.3	.2	.1							328	330	45	5				
62/ 61	.0	.0	.2	.2	.3	.3	.3	.3	.3	.1	.0							418	419	125	9				
60/ 59	.0	.1	.2	.2	.3	.4	.3	.4	.3	.1	.0							447	447	194	22				
58/ 57	.0	.1	.2	.2	.4	.5	.4	.4	.1	.0								487	488	316	81				
56/ 55	.0	.1	.2	.3	.5	.5	.5	.3	.1									496	497	364	118				
54/ 53	.0	.2	.2	.4	.7	.7	.7	.2	.1									607	607	430	193				
52/ 51	.1	.3	.4	.6	.8	.7	.5	.1	.0									675	675	545	216				
50/ 49	.1	.4	.5	.7	.8	.8	.3	.1										688	688	583	284				
48/ 47	.0	.4	.7	.9	1.0	.7	.3	.0										768	768	771	290				
46/ 45	.2	.7	.7	1.0	1.0	.5	.2	.0										836	836	858	381				
44/ 43	.2	.8	1.1	1.2	.8	.4	.1	.0										870	870	962	490				
42/ 41	.2	1.0	1.2	1.3	.8	.3	.0											932	932	1082	632				
40/ 39	.2	1.2	2.0	1.2	.7	.2	.0											1046	1048	1118	736				
38/ 37	.4	1.5	1.7	1.7	.7	.1												1133	1134	1286	824				
36/ 35	.2	2.1	1.9	1.3	.4	.0												1124	1124	1209	1002				
34/ 33	.0	2.3	2.2	.0	.2													1209	1209	1372	1168				
32/ 31	.8	2.7	2.0	.7	.1													1212	1212	1560	1521				
30/ 29	.7	2.4	1.8	.5	.0													1050	1050	1416	1529				
28/ 27	.6	2.3	1.3	.3	.0													846	846	1192	1197				
26/ 25	.7	1.8	.8	.2	.0													671	671	1026	1518				
24/ 23	.4	1.3	.7	.0														483	483	682	1293				
Element (X)	ΣX²		ΣX		X̄		sₓ		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									



## PSYCHROMETRIC SUMMARY

APR  
MONTH

ALL

HOURS (L, S, T.)

[illegible]



4

## {

APR  
MONTH

STATION

STATION NAME

**YEARS**

MONTH

All

HOURS (L. S. T.)

C

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF

39-43, 47-50, 56-72

MAY  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
100/ 99																	.0	1	1						
98/ 97																	.0	1	3						
96/ 95										.0		.0	.0		.0	.0	.0	12	12						
94/ 93										.0	.1	.0	.0	.0	.0	.0	.0	31	31						
92/ 91								.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	81	81						
90/ 89							.0	.1	.1	.2	.1	.2	.0	.1	.1	.0		164	164						
88/ 87				.0		.0	.1	.2	.3	.2	.3	.1	.1	.1	.0			277	277						
86/ 85				.0	.0	.1	.2	.4	.4	.3	.3	.1	.1	.0		.0		367	367						
84/ 83			.0	.0	.0	.2	.4	.6	.4	.4	.1	.1	.0	.0	.0			468	468						
82/ 81			.0	.1	.2	.3	.7	.6	.3	.2	.2	.2	.1	.0				564	564	2					
80/ 79			.0	.1	.5	.7	.8	.7	.4	.3	.3	.1	.1	.0				752	752	4	4				
78/ 77		.0	.1	.3	.7	.8	.6	.5	.4	.3	.2	.1						773	773	26	4				
76/ 75		.0	.2	.6	.9	.9	.7	.6	.5	.4	.1	.1	.0					948	948	118	8				
74/ 73	.0	.0	.4	.9	.9	.8	.7	.2	.4	.3	.1	.0						977	977	306	30				
72/ 71	.0	.1	.7	1.0	1.1	.7	.7	.6	.4	.2	.1	.0						1071	1071	609	103				
70/ 69	.0	.3	1.1	1.2	.8	.8	.6	.5	.4	.1	.1	.0						1167	1167	1006	327				
68/ 67	.0	.7	1.3	.9	1.0	.6	.6	.6	.3	.1	.0							1173	1173	1268	563				
66/ 65	.0	.9	1.6	1.1	.9	.7	.6	.4	.2	.0								1235	1236	1420	939				
64/ 63	.1	1.5	1.2	1.0	.8	.7	.4	.4	.1	.0								1193	1194	1463	1184				
62/ 61	.2	1.5	1.0	1.0	.8	.5	.3	.3	.1	.0								1072	1073	1614	1363				
60/ 59	.3	1.9	1.3	1.1	.8	.5	.4	.2	.0									1228	1229	1615	1448				
58/ 57	.2	1.5	1.4	1.0	.5	.6	.3	.1										1041	1043	1514	1342				
56/ 55	.2	1.5	1.2	.7	.6	.4	.1	.1										878	879	1481	1384				
54/ 53	.1	1.5	1.2	.6	.5	.2	.1											787	788	1362	1230				
52/ 51	.2	1.5	1.0	.6	.4	.1	.0											715	717	1213	1328				
50/ 49	.2	1.3	.9	.5	.2	.1	.0											608	608	1025	1373				
48/ 47	.1	.9	.7	.5	.1	.0												441	441	883	1150				
46/ 45	.2	.8	.3	.3	.1	.0												309	309	701	1094				
44/ 43	.1	.7	.5	.1	.0	.0												276	279	515	880				
42/ 41	.1	.4	.2	.1	.0	.0												158	158	332	794				
40/ 39	.1	.3	.2	.0	.0													123	123	240	715				
38/ 37	.1	.3	.1	.0	.0													90	90	160	519				
36/ 35	.1	.1	.1	.0														50	50	100	518				
34/ 33	.0	.1	.0															25	25	58	299				
Element (X)	ΣX'		ΣX		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total		
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			Total				
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

MAY  
MONTH

ALL

[illegible]

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FURT RILEY KANSAS/MARSHALL AAF 39-45,47-49,56-72

JUN  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
104/103														.0	.0	.0	.0	8	8						
102/101													.0	.0	.0	.0	.0	17	17						
100/ 99												.0	.0	.0	.0	.0		25	25						
98/ 97					.0				.0	.0	.0	.1	.1	.1	.0	.0		54	54						
96/ 95						.0	.0	.0	.0	.1	.2	.2	.1	.1	.0		.0	147	147						
94/ 93			.0			.0	.0	.1	.2	.3	.2	.1	.1	.0	.0			206	206						
92/ 91					.0	.0	.1	.2	.4	.4	.2	.2	.1	.0				294	294						
90/ 89			.0	.0	.1	.1	.4	.7	.6	.4	.2	.1	.1	.0				483	483	4	1				
88/ 87			.0	.0	.1	.2	.7	1.0	.8	.4	.2	.1	.1					613	613	2	3				
86/ 85			.0	.1	.1	.7	1.2	1.2	.7	.4	.2	.1	.0					797	797	4	3				
84/ 83			.0	.2	.5	1.1	1.4	1.0	.6	.3	.1	.0						910	912	19	1				
82/ 81		.0	.1	.4	1.1	1.4	1.3	.7	.4	.3	.1	.0	.0					1020	1023	39	19				
80/ 79		.0	.2	.9	1.7	1.6	1.0	.6	.5	.1	.1	.0						1130	1151	123	28				
78/ 77	.0	.1	.5	1.5	2.0	1.1	.7	.6	.2	.1	.0							1194	1194	365	59				
76/ 75		.3	1.3	2.0	1.7	1.0	.7	.5	.2	.0								1332	1332	889	142				
74/ 73	.0	.5	1.5	2.3	1.1	.7	.5	.3	.1									1234	1236	1473	350				
72/ 71	.1	.9	1.6	1.9	1.2	.6	.4	.2	.0	.0	.0							1187	1194	1971	885				
70/ 69	.1	1.4	2.3	1.6	.7	.6	.3	.1	.1	.0								1262	1264	2175	1593				
68/ 67	.3	1.9	2.4	1.3	.7	.3	.1	.1	.0									1258	1261	1984	1968				
66/ 65	.5	2.2	2.0	.9	.4	.2	.1	.0	.0									1104	1107	1980	2255				
64/ 63	.4	2.3	1.3	.6	.4	.1	.1	.0										863	866	1725	2118				
62/ 61	.2	2.1	.7	.6	.2	.1	.0	.0										706	706	1377	1767				
60/ 59	.2	1.4	.9	.3	.1	.0	.0											517	521	1089	1525				
58/ 57	.2	1.3	.6	.2	.1	.0	.0											410	410	731	1206				
56/ 55	.1	.0	.4	.2	.0	.0												259	259	597	1027				
54/ 53	.1	.5	.3	.1	.0													172	172	385	883				
52/ 51	.1	.4	.2	.0														110	110	240	580				
50/ 49	.1	.1	.1	.0														39	39	128	404				
48/ 47		.0	.1															17	17	61	205				
46/ 45	.0	.1																12	12	25	188				
44/ 43	.0	.0																3	3	16	93				
42/ 41	.0	.0																3	3	3	51				
40/ 39		.0																2	2	2	21				
38/ 37																				1	9				
Element (X)	Σ X <sup>2</sup>		Σ X		X		Σ X		X		No. Obs.		Mean No. of Hours with Temperature						Total						
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F							
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 64 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**YEARS**

PAGE 2

ALL  
HOURS (L. S. T.)

FORM 9-26-5 (OL A)

**USAFETAC**

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 EUPH RILEY KANSAS/MARSHALL AAF

39-49,56-72

YEARS

JUL  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point							
112/111																		.0	3	3								
110/109																		.0	5	5								
108/107														.0	.0	.0		.1	28	28								
106/105														.0	.0	.1		.2	56	56								
104/103										.0	.0	.0	.1	.1	.1	.2		.1	103	103								
102/101										.0	.0	.1	.1	.1	.3	.1		.0	149	149								
100/ 99										.0	.0	.1	.3	.4	.4	.2	.0	.0	253	253								
98/ 97							.0	.0	.0	.1	.3	.4	.4	.3	.0				288	288								
96/ 95							.0	.1	.2	.4	.6	.6	.3	.1	.0	.0			449	449								
94/ 93					.0	.0	.0	.3	.6	.8	.6	.4	.2	.1	.0				580	580								
92/ 91			.0			.1	.3	.6	1.1	.8	.6	.3	.2	.0	.0				712	712								
90/ 89					.0	.2	.7	1.1	1.1	.6	.5	.2	.1	.0					890	890								
88/ 87				.0	.1	.4	1.1	1.1	1.1	.6	.4	.1	.0	.0					951	951	1							
86/ 85		.0	.0	.1	.3	1.1	1.6	1.4	.8	.6	.4	.1	.0	.0					1178	1178	7	1						
84/ 83		.0	.0	.3	.6	1.5	1.5	1.1	.7	.5	.3	.0	.0						1246	1246	18	2						
82/ 81	.0	.0	.1	.6	1.4	1.8	1.4	1.0	.6	.3	.1	.0							1382	1382	84	10						
80/ 79		.1	.4	1.5	1.8	1.7	1.1	.7	.6	.2	.0								1493	1498	430	33						
78/ 77	.0	.2	1.0	1.9	1.8	1.1	.9	.5	.2	.1	.0								1447	1447	991	107						
76/ 75		.5	1.8	2.0	1.7	.9	.6	.3	.0	.0	.0								1450	1450	1917	348						
74/ 73	.1	1.0	1.9	1.6	1.0	.5	.4	.1	.1	.0									1258	1258	2604	831						
72/ 71	.1	1.5	1.7	1.5	1.0	.4	.3	.1	.0	.0									1228	1228	2780	1703						
70/ 69	.3	1.3	2.0	1.2	.4	.5	.1	.1	.0										1145	1145	2703	2576						
68/ 67	.3	1.5	1.1	.6	.4	.2	.0	.0											776	776	2196	2649						
66/ 65	.2	1.2	1.0	.4	.3	.1	.0												612	612	1751	2379						
64/ 63	.1	.9	.4	.3	.2	.0	.0												377	377	1245	2213						
62/ 61	.1	.6	.3	.2	.0	.0													224	224	771	1715						
60/ 59	.0	.3	.3	.2	.0														196	196	515	1243						
58/ 57	.0	.2	.1	.0	.0														77	77	317	919						
56/ 55	.0	.2	.1	.0	.0														60	60	180	779						
54/ 53	.0	.1	.1																29	29	91	487						
52/ 51	.0	.1	.0																16	16	41	300						
50/ 49		.1	.0																18	18	32	206						
48/ 47		.0	.0																6	6	15	92						
46/ 45		.0																	2	2	8	56						
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature																	
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total					
Dry Bulb																												
Wet Bulb																												
Dew Point																												

## PSYCHROMETRIC SUMMARY

JUL  
MONTH

HOURS (L. S. I.)

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 64

## PSYCHROMETRIC SUMMARY

AUG  
MONTH

ALL

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[illegible]



## PSYCHROMETRIC SUMMARY

**YEARS**

PAGE 2

ALL

HOURS (L. S. T.)

[illegible]

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947

FORT RILEY KANSAS/MARSHALL AAF

38-49, 56-72

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11	12	13-14	15	16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
112/111																				.0	1	1			
110/109																				.0	2	2			
108/107																				.0	4	4			
106/105																			.0	.0	7	7			
104/103																	.0	.0	.1	17	17				
102/101																		.0	.1	14	14				
100/ 99													.0	.0	.0	.0	.0	.0	.0	36	36				
98/ 97													.0	.0	.1	.1	.1	.0	.0	57	57				
96/ 95												.0	.1	.1	.1	.1	.1	.0	.0	123	123				
94/ 93										.0	.1	.2	.3	.2	.1	.1	.0	.0	.0	203	203				
92/ 91					.0		.0	.1	.3	.3	.3	.2	.1	.1	.1	.1	.0	.0		292	295				
90/ 89						.0	.1	.3	.4	.3	.3	.2	.2	.1	.1	.0	.0	.0		364	364				
88/ 87						.1	.3	.4	.5	.3	.3	.2	.1	.0	.0		.0			433	434				
86/ 85					.0	.2	.5	.5	.4	.3	.3	.2	.1	.1						495	495				
84/ 83			.0	.0	.2	.4	.5	.5	.4	.3	.3	.2	.1	.0						555	556	1			
82/ 81			.0	.1	.3	.7	.6	.5	.5	.2	.3	.2	.1							658	659	2			
80/ 79			.1	.3	.8	.9	.8	.5	.6	.3	.3	.2	.0							907	908	16	1		
78/ 77		.0	.1	.6	1.0	.8	.7	.5	.5	.4	.3	.1	.0							958	960	131	4		
76/ 75	.0	.1	.6	1.0	.9	.8	.6	.6	.4	.4	.2	.0								1074	1076	420	32		
74/ 73	.0	.2	.9	1.3	.9	.6	.8	.7	.4	.3	.1	.0								1199	1200	716	104		
72/ 71	.0	.4	1.2	1.1	.9	.7	.7	.4	.3	.2	.0									1119	1122	1159	310		
70/ 69	.1	1.0	1.3	1.1	.7	.9	.6	.4	.3	.1	.0									1252	1253	1456	793		
68/ 67	.2	1.2	1.4	.9	.8	.6	.5	.4	.2	.0										1190	1191	1597	1236		
66/ 65	.3	1.5	1.2	.9	.7	.6	.4	.3	.1	.0										1146	1147	1661	1413		
64/ 63	.3	1.6	1.0	.9	.7	.5	.3	.1	.0											1061	1061	1647	1478		
62/ 61	.3	1.5	.9	.9	.8	.5	.3	.1	.0											1006	1006	1531	1375		
60/ 59	.3	1.2	1.1	1.0	.7	.4	.1	.1												960	960	1484	1373		
58/ 57	.2	1.2	1.2	.8	.6	.2	.1	.0												834	834	1270	1144		
56/ 55	.2	1.3	1.0	.7	.4	.1	.1													694	694	1288	1290		
54/ 53	.1	1.3	.7	.4	.3	.1	.0													542	542	1140	1310		
52/ 51	.1	1.2	.5	.4	.2	.1														476	476	1041	1288		
50/ 49	.2	.9	.7	.3	.1	.0														439	439	736	1252		
48/ 47	.1	.8	.6	.2	.0	.0														314	314	509	939		
46/ 45	.2	.8	.3	.1	.0															262	262	490	949		
Element (X)	ΣX <sup>2</sup>		ΣX		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature							Total							
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F							Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

## PSYCHROMETRIC SUMMARY

ALL

HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 38-49,56-72

NCT

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point	
100/ 99																	.0	1	1		
98/ 97																	.0	4	4		
96/ 95														.0	.0	.0	.0	14	14		
94/ 93													.0	.0	.0	.0	.0	16	16		
92/ 91							.0			.0	.0	.0	.0	.0	.0	.0	.0	39	39		
90/ 89							.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	56	56		
88/ 87						.0	.0	.0	.1	.1	.1	.1	.2	.0	.0			110	110		
86/ 85						.0	.0	.1	.1	.2	.2	.2	.1	.0				167	167		
84/ 83						.0	.1	.1	.2	.2	.2	.1	.1	.0	.0			202	202		
82/ 81					.0	.1	.1	.3	.3	.3	.2	.2	.1	.0				300	300		
80/ 79			.0	.0	.1	.2	.3	.4	.4	.3	.2	.2	.1	.0	.0			409	409	1	
78/ 77			.0	.1	.1	.2	.4	.3	.5	.3	.3	.1	.0	.0				474	474		
76/ 75			.1	.1	.2	.3	.4	.5	.4	.3	.3	.1	.0					549	549	7	1
74/ 73	.0	.0	.2	.3	.4	.4	.4	.4	.4	.5	.3	.1	.0					652	652	33	3
72/ 71		.1	.2	.4	.4	.6	.5	.4	.4	.4	.2	.0						728	728	146	11
70/ 69	.0	.1	.5	.6	.7	.5	.6	.6	.5	.3	.1							876	876	265	55
68/ 67		.3	.5	.6	.7	.6	.7	.6	.3	.2	.0							911	911	505	155
66/ 65	.0	.3	.8	.7	.6	.6	.6	.4	.5	.2	.0	.0						946	946	720	296
64/ 63	.1	.8	.6	.6	.6	.8	.5	.5	.2	.1	.0							956	956	1008	389
62/ 61	.3	.8	.8	.7	.8	.7	.5	.5	.2	.0								1098	1058	1132	609
60/ 59	.3	1.1	.8	.7	.9	.7	.6	.5	.1	.0								1138	1138	1180	710
58/ 57	.2	1.3	.9	.9	.9	.6	.6	.2	.1	.0								1117	1117	1290	897
56/ 55	.5	1.4	1.0	1.0	.8	.6	.4	.2	.0									1174	1174	1482	1112
54/ 53	.3	1.1	1.2	1.0	.7	.5	.3	.0										1048	1049	1365	1047
52/ 51	.2	1.3	1.3	.9	.7	.5	.2	.0										1001	1001	1385	1047
50/ 49	.3	1.5	1.1	1.0	.8	.4	.1											1006	1007	1432	1180
48/ 47	.3	1.4	1.3	.7	.6	.2	.0											893	893	1325	1285
46/ 45	.4	1.6	.9	.9	.4	.1												849	849	1330	1395
44/ 43	.4	1.3	1.0	.6	.2	.0	.0											710	711	1210	1331
42/ 41	.4	1.1	.9	.5	.1	.0	.0											580	581	953	1319
40/ 39	.3	1.1	.7	.2	.0	.0												472	473	863	1206
38/ 37	.3	.9	.5	.2	.0													381	381	659	1026
36/ 35	.3	.7	.4	.1	.0													283	283	469	1170
34/ 33	.2	.7	.2	.0	.0													224	225	338	803
Element (X)	$\Sigma x^2$		$\Sigma x$		$\bar{x}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 86 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

## PSYCHROMETRIC SUMMARY

13947  
STATIC

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49, 56-72

YEARS

OCT  
MONTH

PAGE 2

ALL  
HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM  
MIL 62  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF

38-49,56-72

NJIV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point							
80/ 79								.0										2	2								
78/ 77							.0	.0	.0	.0	.0							18	18								
76/ 75					.0	.0	.0	.0	.0	.1	.0	.0						47	47								
74/ 73				.0	.0	.1	.1	.0	.1	.1	.0	.0						74	74								
72/ 71				.0	.1	.1	.1	.1	.1	.1	.0	.0						117	117								
70/ 69			.0	.1	.2	.1	.1	.2	.2	.0	.0							173	173								
68/ 67		.0	.1	.1	.2	.2	.2	.2	.2	.1	.0							241	241	7							
66/ 65		.1	.2	.2	.2	.2	.2	.3	.2	.1	.0							310	310	50							
64/ 63		.1	.4	.2	.2	.3	.3	.2	.2	.0								366	366	101	17						
62/ 61		.1	.2	.3	.3	.3	.4	.4	.2	.0								412	412	181	61						
60/ 59	.0	.2	.3	.4	.3	.4	.5	.5	.1									513	513	214	140						
58/ 57	.0	.2	.5	.4	.4	.5	.5	.4	.0									574	574	292	162						
56/ 55	.0	.4	.4	.4	.4	.7	.3	.2	.0									660	661	363	171						
54/ 53	.1	.4	.5	.5	.6	.9	.5	.1	.0									676	676	503	256						
52/ 51	.1	.6	.7	.7	.9	.8	.4	.1	.0									825	825	534	298						
50/ 49	.2	1.1	.7	.9	1.1	.8	.2	.0										979	979	735	380						
48/ 47	.1	1.1	.9	1.1	1.1	.6	.2	.0										987	987	934	447						
46/ 45	.2	1.4	1.1	1.5	1.0	.5	.0	.0										1120	1120	1048	634						
44/ 43	.4	1.4	1.5	1.5	.9	.2	.0	.0										1163	1163	1376	713						
42/ 41	.4	1.3	2.0	1.4	.6	.1	.0											1126	1126	1267	754						
40/ 39	.3	1.6	2.6	1.4	.5	.1	.0											1281	1281	1353	910						
38/ 37	.4	2.0	2.3	1.2	.3	.0	.0											1217	1217	1542	996						
36/ 35	.4	2.7	2.4	.9	.2	.1												1299	1299	1533	1250						
34/ 33	.4	2.8	2.1	.5	.1	.0												1144	1144	1442	1440						
32/ 31	.4	2.6	1.4	.3	.0													926	926	1484	1772						
30/ 29	.5	2.3	1.0	.3	.0													813	813	1115	1815						
28/ 27	.6	1.7	.7	.2	.0													615	615	978	1267						
26/ 25	.5	1.5	.5	.1														492	493	634	1353						
24/ 23	.3	1.3	.3	.0														363	363	504	1104						
22/ 21	.3	.8	.1	.0														234	236	389	872						
20/ 19	.2	.5	.1	.0														169	172	232	577						
18/ 17	.2	.3	.1	.0														114	115	157	559						
16/ 15	.1	.2	.0															73	74	110	374						
14/ 13	.1	.2																48	49	61	250						
Element (X)	Σ x'		Σ x		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																											
Wet Bulb																											
Dew Point																											

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**YEARS**

ALL  
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

DEC  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
78/ 77													.0					1				1			
76/ 75													.0					2				2			
74/ 73										.0	.0							2				2			
72/ 71										.0	.0	.0	.0					8				8			
70/ 69							.0	.0	.0	.0	.0							7				7			
68/ 67							.0	.0	.0	.0	.0							15				15			
66/ 65			.0	.0	.1	.0	.0	.0	.1	.0	.0							42				42			
64/ 63			.0	.1	.1	.0	.0	.1	.0	.0	.0							69				69			
62/ 61		.0	.1	.1	.1	.1	.1	.1	.1	.1	.0							123				123	2		
60/ 59	.0	.0	.1	.1	.1	.1	.1	.1	.1	.2	.1	.0						165				165	17	1	
58/ 57	.0	.1	.2	.2	.1	.2	.2	.2	.1	.0								260				260	77	10	
56/ 55	.0	.1	.3	.2	.2	.3	.3	.2	.0									301				301	95	55	
54/ 53		.1	.1	.1	.3	.4	.3	.1										290				290	119	82	
52/ 51	.0	.2	.1	.3	.4	.4	.3	.0										354				354	192	75	
50/ 49	.1	.2	.2	.4	.6	.4	.3	.0										464				464	184	131	
48/ 47	.1	.2	.4	.6	.7	.5	.1	.0										519				519	273	135	
46/ 45	.1	.4	.5	.8	.6	.4	.1											565				565	462	161	
44/ 43	.2	.4	.8	1.0	.5	.3	.0											669				669	549	170	
42/ 41	.1	.6	1.1	1.2	.5	.2	.0											745				745	647	253	
40/ 39	.3	.9	1.5	1.0	.5	.2	.0											857				857	823	340	
38/ 37	.3	1.6	1.7	1.3	.3	.1												1076				1076	1103	456	
36/ 35	.4	2.4	2.2	1.0	.2	.0												1225				1225	1201	757	
34/ 33	.8	3.3	2.3	.8	.1	.0												1419				1419	1385	1009	
32/ 31	.8	3.7	1.9	.6	.1													1396				1396	1632	1415	
30/ 29	.6	3.5	1.8	.4	.0	.0												1307				1307	1604	1446	
28/ 27	1.2	3.2	1.4	.2														1197				1197	1540	1240	
26/ 25	1.3	3.3	1.2	.2														1214				1215	1307	1669	
24/ 23	1.0	2.9	1.0	.1														979				980	1255	1441	
22/ 21	1.0	3.0	.8	.0														964				964	1018	1391	
20/ 19	1.1	2.5	.5	.0														819				820	982	1090	
18/ 17	.8	1.9	.3	.0														580				581	796	1110	
16/ 15	.6	1.6	.2															472				473	533	938	
14/ 13	.6	1.3	.1															391				391	484	788	
12/ 11	.3	1.0	.0															251				252	345	775	
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total		
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F							
Dry Bulb																									
Wet Bulb																									
Dew Point																									



## PSYCHROMETRIC SUMMARY

YEARS \_\_\_\_\_ DEC \_\_\_\_\_  
MONTH \_\_\_\_\_

HOURS (L - S - T -)

USAFETAC  
FORM  
RUL A4  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE ALSO ETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF  
STATION STATION NAME

40-46, 48-50, 57-71  
YEARS

JAN  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
64/ 63		.1																	2	2					
62/ 61		.1	.1	.1															7	7	3				
60/ 59		.1	.1																5	5	1				
58/ 57		.1																	3	3	8				
56/ 55		.1	.1		.0														6	6	5				
54/ 53		.2	.1	.1															9	9	3				
52/ 51	.0	.1	.0	.1		.0													9	9	9				
50/ 49		.1		.2	.0														9	9	7				
48/ 47		.1	.2	.1	.1														13	13	7				
46/ 45	.0	.4	.1	.1	.1	.1													19	19	10				
44/ 43	.1	.7	.4	.3	.1														36	36	19				
42/ 41	.4	.4	.3	.7	.0														43	46	33				
40/ 39	.3	.7	.7	.4	.2														54	58	35				
38/ 37	1.2	1.4	1.0	.6	.3														101	103	64				
36/ 35	.2	2.3	1.4	.7	.1														105	107	75				
34/ 33	.7	4.5	1.5	.6															168	172	116				
32/ 31	1.4	3.2	1.8	.4															154	134	195				
30/ 29	.7	2.9	1.4	.4															123	125	141				
28/ 27	1.7	4.3	1.1	.1															165	166	174				
26/ 25	1.9	3.5	.7	.0															139	141	170				
24/ 23	1.9	3.0	.5																123	123	148				
22/ 21	.9	2.7	.7																97	97	97				
20/ 19	1.0	3.2	.5																108	109	106				
18/ 17	1.2	2.6	.0																88	92	115				
16/ 15	1.8	2.2	.3																98	99	109				
14/ 13	1.0	2.4	.2																82	83	76				
12/ 11	1.0	2.3	.2																92	93	96				
10/ 9	1.8	2.4																	90	90	92				
8/ 7	1.4	1.8																	74	76	88				
6/ 5	1.4	1.4																	64	65	66				
4/ 3	.6	1.1																	38	38	48				
2/ 1	.7	1.3																	44	44	33				
0/ -1	.0	.7																	35	35	45				
-2/ -3	.6	.5																	24	24	25				
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

## PSYCHROMETRIC SUMMARY

JAN  
MONTH

HOURS (L, S, T.)

[illegible]

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF  
STATION STATION NAME

40-46, 48-50, 57-72  
YEARS

JAN  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
64/ 63			.1	.0															3	3				
62/ 61		.0	.1	.1															5	5				
60/ 59		.0	.1																3	3	3	3		
58/ 57		.1	.0																3	3	7			
56/ 55		.1																	3	3	4	3		
54/ 53		.3	.1																9	9	5	9		
52/ 51		.1	.1	.1	.0														8	8	6	8		
50/ 49	.0	.2		.2		.1													13	13	8	4		
48/ 47		.1	.2	.0	.2														13	13	6	5		
46/ 45	.1	.4	.0	.1															14	14	11	7		
44/ 43	.1	.4	.2	.4	.0														24	27	22	13		
42/ 41	.4	.4	.3	.3	.0														32	34	20	10		
40/ 39	.4	.4	.7	.4	.2														47	50	29	22		
38/ 37	.8	1.0	.7	.4	.1														67	69	50	36		
36/ 35	.7	1.9	1.2	.6															105	107	65	36		
34/ 33	.7	2.8	1.7	.7															137	139	100	61		
32/ 31	1.0	3.3	1.7	.4															145	146	140	97		
30/ 29	1.3	3.9	1.8	.1	.0														162	162	162	108		
28/ 27	1.4	2.7	.8	.0															115	119	179	112		
26/ 25	2.5	3.9	.7																163	165	167	146		
24/ 23	1.7	2.8	.7																119	119	138	133		
22/ 21	1.5	3.1	.4																116	116	122	154		
20/ 19	2.0	2.9	.3																119	121	129	99		
18/ 17	1.1	2.0	.2																88	89	93	147		
16/ 15	1.8	3.1	.2																118	118	119	96		
14/ 13	1.8	2.1	.0																89	90	108	113		
12/ 11	1.1	2.5	.1																87	87	70	91		
10/ 9	1.0	2.3																	89	90	104	96		
8/ 7	1.1	1.8																	67	67	65	91		
6/ 5	1.0	1.7																	75	78	81	80		
4/ 3	1.5	1.5																	59	70	77	65		
2/ 1	.4	1.1																	36	36	35	77		
0/ -1	.9	.6																	35	35	45	62		
-2/ -3	1.0	.8																	41	41	40	43		
Element (X)	$\Sigma x^2$		$\Sigma x$		$\bar{x}$		$s_x$		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FDOT RILEY KANSAS/MARSHALL AAF 40-46,48-50,57-72  
STATION STATION NAME YEARS

JAN  
MONTH

PAGE 2 0300-0500  
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point	TOTAL	Dew Point	TOTAL	Dew Point
-4/-5	.6	.7																29	29	29	49			
-6/-7	.3	.2																10	11	17	43			
-8/-9	.1	.0																4	6	5	46			
-10/-11	.4																	10	10	11	27			
-12/-13	.3																	7	7	7	14			
-14/-15	.1																	3	3	3	20			
-16/-17																					16			
-18/-19																					15			
-20/-21																					8			
-22/-23																					2			
-30/-31																					2			
-32/-33																					2			
-34/-35																					1			
TOTAL	30.6	52.0	12.7	3.9	.7	.1												2282	2315	2282				
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.	14446271		178861		78.413.687		2282		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F		Total		93	
Dry Bulb	1527084		51042		22.013.175		2315		5.7		72.9										93			
Wet Bulb	1331334		47150		20.712.513		2282		6.4		79.3										93			
Dew Point	1061457		36541		16.014.451		2282		14.3		83.8										93			



## PSYCHROMETRIC SUMMARY

JAN  
MONTH

STATION

STATION NAME

**YEARS**

MONTH

PAGE 2 0600-0800

0600-0800  
HOURS (L. S. T.)

[illegible]

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF

39-50,57-72

YEARS

JAN  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
68/ 67							.0											1	1						
66/ 65				.1														2	2						
64/ 63				.1														2	2						
62/ 61		.1	.0	.1														5	5						
60/ 59			.1															2	2	4					
58/ 57			.1				.0	.0										4	4	5	3				
56/ 55		.2	.0	.0	.0	.1	.1											11	11	6	3				
54/ 53	.0	.1		.1	.0	.0	.0											9	9	5	9				
52/ 51	.0	.0	.0	.1	.2	.1	.0											14	14	4	7				
50/ 49		.0	.2	.2	.2	.2	.1											21	21	3	2				
48/ 47	.0	.3	.2	.4	.5	.1		.0										39	40	9	3				
46/ 45	.1	.4	.4	.9	.4	.3												62	63	26	10				
44/ 43	.1	.3	.7	.9	.4	.1												68	72	28	10				
42/ 41	.3	.6	1.5	1.1	.8	.0												107	109	60	31				
40/ 39	.4	.6	1.6	1.3	.7	.1												113	122	85	38				
38/ 37	.4	.9	1.7	1.7	.1	.0												121	123	116	34				
36/ 35	.8	1.9	2.2	1.5	.2													162	164	125	60				
34/ 33	.8	2.9	1.9	.6	.1													158	159	159	107				
32/ 31	.8	2.9	1.8	.0	.1													143	144	227	155				
30/ 29	.0	2.8	2.3	.3														149	153	158	154				
28/ 27	1.0	3.1	1.5	.1														140	141	174	106				
26/ 25	.7	2.8	1.5	.2														127	128	152	172				
24/ 23	.4	3.0	1.2	.0														115	115	119	150				
22/ 21	1.0	2.8	.8	.0														111	111	132	137				
20/ 19	.7	3.0	.9															113	113	121	124				
18/ 17	.6	2.8	.7															103	103	105	143				
16/ 15	.7	2.2	.3															78	78	107	112				
14/ 13	.7	2.4	.2															82	82	86	97				
12/ 11	.7	2.9	.2															96	96	85	100				
10/ 9	.7	1.9	.0															65	65	85	86				
8/ 7	.6	1.5																54	54	77	93				
6/ 5	.4	1.9																56	56	46	91				
4/ 3	.2	1.0																30	33	45	89				
2/ 1	.3	1.0																38	38	34	64				
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



4

## 4

4

4

4

4

4

## PSYCHROMETRIC SUMMARY

13947	FORT RILEY KANSAS/MARSHALL AAF	39-50,57-72
STATION	STATION NAME	

JAN  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

JAN  
MONTH

1200-1400  
HOURS (L. S. T.)

[illegible]

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-50.57-72

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
70/ 69										.1								2		2	2			
68/ 67										.1	.0							3		3	3			
66/ 65				.1	.0	.0	.0	.0			.0							4		4	4			
64/ 63				.2	.1	.1	.1	.1	.1	.0								14		14	14			
62/ 61				.1	.1	.2	.1	.2	.2	.1	.0	.0						14		14	14			
60/ 59			.1	.1	.2	.1	.2	.2	.1									28		28	28	4		
58/ 57		.1		.1	.3	.4	.2	.4	.0	.1								40		40	40	8		
56/ 55	.0	.0	.2	.1	.5	.6	.2	.3	.1									51		52	52	10	8	
54/ 53		.1	.2	.2	.6	.8	.4	.2										61		61	61	7	6	
52/ 51	.0	.1	.2	.5	.9	1.1	.4	.1	.0									86		89	89	19	8	
50/ 49	.0	.1	.4	.8	1.7	.6	.4	.4										110		111	111	29	7	
48/ 47	.0	.2	.5	1.0	1.1	1.1	.3	.1										107		110	110	60	17	
46/ 45		.6	.8	1.5	1.0	.7	.3											121		125	125	89	12	
44/ 42	.0	.4	.9	1.7	1.4	.6	.2											131		133	133	107	30	
42/ 41	.4	.6	1.0	1.2	.6	.6												108		111	111	167	41	
40/ 39	.4	.5	1.0	1.5	1.0	.4												134		135	135	150	70	
38/ 37	.2	.8	1.2	1.4	.7													109		110	110	153	76	
36/ 35	.2	1.5	1.8	1.9	.5													148		148	148	166	102	
34/ 33	.3	1.8	2.0	1.0	.2													130		131	131	163	141	
32/ 31	.2	1.5	2.0	1.4	.2													133		133	133	171	163	
30/ 29	.2	1.9	1.8	.8														116		118	118	152	155	
28/ 27	.3	1.9	1.5	.7														107		108	108	144	114	
26/ 25	.2	1.5	1.4	.6														93		93	93	130	178	
24/ 23	.2	1.7	1.3	.3														92		92	92	95	156	
22/ 21	.3	1.6	1.2	.2														81		81	102	125		
20/ 19	.3	1.0	1.4	.0														67		68	92	117		
18/ 17	.1	1.7	1.0															69		69	67	102		
16/ 15	.2	1.1	.8															53		53	83	120		
14/ 13	.4	1.5	.6															61		61	60	99		
12/ 11	.1	1.3	.3															42		42	63	97		
10/ 9	.4	1.7	.2															54		54	53	72		
8/ 7	.4	1.4	.1															47		47	50	63		
6/ 5	.1	1.0	.0															29		29	44	79		
4/ 3	.1	.6																16		18	26	49		
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature												Total	
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

JAN  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
2/-1	.1	.2																9	9	12	74				
0/-1		.2																4	4	9	53				
-2/-3																					26				
-4/-5	.0	.2																5	5	4	33				
-6/-7		.0																1	1	2	18				
-8/-9																					25				
-10/-11																					23				
-12/-13																					3				
-14/-15																					5				
-16/-17																					7				
-18/-19																					10				
TOTAL	5.4	28.6	24.7	17.6	11.1	7.0	2.8	1.9	.6	.3	.1							2484	2510	2484	2484				

USAFETAC FORM 0-26-5 (QLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF

39-46, 48-50, 57-72

JAN  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
64/ 63									.0									1			1				
62/ 61		.0		.1				.0										4			4				
60/ 59		.0	.1	.0	.0	.0	.0											8			8		1	1	
58/ 57	.0	.1	.1	.1				.0										9			9		5	1	
56/ 55		.0	.1	.1														5			5		4	4	
54/ 53		.2	.1		.0			.1										9			9		7	3	
52/ 51	.0	.0	.0	.1	.1	.2	.1	.0										16			16		10	7	
50/ 49			.3	.2	.2	.1	.0											21			21		4	8	
48/ 47		.2	.5	.5	.4	.1	.0											42			42		6	3	
46/ 45	.0	.6	.8	.5	.5	.2	.0											66			66		21	4	
44/ 43	.1	.6	.9	1.2	.4	.3												83			83		44	22	
42/ 41	.3	1.0	1.6	1.5	.5	.2												117			117		60	24	
40/ 39	.2	1.2	2.4	1.2	.6	.0												130			130		100	41	
38/ 37	.7	1.0	1.8	1.3	.4													136			136		129	60	
36/ 35	.4	2.8	2.1	1.2	.3													158			158		154	79	
34/ 33	.2	3.1	2.1	1.1	.1													155			155		173	91	
32/ 31	.3	3.4	1.7	1.1	.0													153			153		168	158	
30/ 29	.4	3.0	2.2	.4	.0													144			144		184	168	
28/ 27	.4	2.3	1.5	.2														102			102		144	142	
26/ 25	.6	4.4	1.1	.1														145			145		165	132	
24/ 23	.5	2.6	1.2	.1														104			104		124	124	
22/ 21	.5	2.7	.8	.0														92			92		113	162	
20/ 19	.7	3.1	.8	.0														108			108		106	96	
18/ 17	.4	2.2	.6															76			76		91	121	
16/ 15	.2	2.0	.6															66			66		83	120	
14/ 13	.7	2.2	.3															73			73		64	85	
12/ 11	.2	1.9	.2															53			53		84	100	
10/ 9	.2	1.6	.1															45			45		50	84	
8/ 7	.7	2.2																68			68		60	55	
6/ 5	.5	1.7																51			51		65	57	
4/ 3	.5	1.1																36			36		45	58	
2/ 1	.2	1.0																27			27		26	67	
0/ -1	.4	.3																17			17		26	67	
-2/ -3	.2																	4			4		8	41	
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature										Total				
Ref. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									







## PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

2100-2300  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

0000-0200  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

FEB  
MONTH

9500-020  
HOURS IL - S - T.

USAFETAC FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

39..45, 48-50, 57-72

FEB  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

[illegible]

4

FER  
MONTH

0300-0500

C

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

## PSYCHROMETRIC SUMMARY

FEB  
MONTH

PAGE 1 0600-0800

USAFETAC FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

FEB

STATION

STATION NAME

**YEARS**

**MONTH**

0600-0800

HOURS (L - S - T -)

[illegible]





## PSYCHROMETRIC SUMMARY

**YEARS**

FEB  
MONTH

0900-1100

HOURS (L. S. T.)

[illegible]

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

13947  
STATIONFORT RILEY KANSAS/MARSHALL AAF  
STATION NAME39-45, 47-50, 56-72  
YEARSPER  
MONTH

PAGE 1

1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
78/ 77													.0									1	1		
74/ 73								.0		.0	.0	.1										5	5		
72/ 71											.1											2	2		
70/ 69								.1			.0	.0										4	4		
68/ 67						.1	.1	.1	.1	.0	.1											14	14		
66/ 65					.1	.1	.1	.1	.0		.1											13	13		
64/ 63					.1	.1	.3	.1	.2	.0												19	19		
62/ 61		.0	.1	.2	.2	.3	.4	.2	.3	.1												42	42		
60/ 59		.0	.0		.2	.3	.5	.4	.2													38	38	2	1
58/ 57		.0		.1	.3	.7	.3	.6	.0													48	48	11	1
56/ 55		.1	.1	.2	.4	.8	.6	.4	.0	.0												58	58	18	2
54/ 53	.0	.0	.2	.4	.7	1.0	1.1	.5	.0													90	90	19	5
52/ 51		.1	.3	.5	1.1	1.1	.5	.3														89	89	34	9
50/ 49		.1	.4	.7	1.4	1.6	.6	.2														112	112	48	9
48/ 47		.1	.5	.7	1.5	1.2	.4															100	100	69	13
46/ 45		.1	.6	1.2	1.3	1.3	.4															111	111	89	26
44/ 43	.0	.4	.9	1.3	1.1	.6	.3															104	104	114	32
42/ 41	.0	.5	.8	1.1	1.4	.4																94	94	142	33
40/ 39	.2	.5	1.2	.9	1.2	.5	.1															111	111	153	69
38/ 37	.3	1.6	1.2	1.0	1.1	.4																144	144	161	91
36/ 35	.2	2.0	2.0	1.5	.7	.2																152	152	153	91
34/ 33	.3	1.5	2.5	1.1	.4	.0																140	140	159	136
32/ 31	.5	1.9	2.5	1.1	.5																	148	148	187	162
30/ 29	.7	1.4	1.3	.8	.1																	99	99	165	176
28/ 27	.4	1.5	2.3	.7																		114	114	152	125
26/ 25	.7	1.6	1.7	.6																		104	104	129	176
24/ 23	.2	1.5	1.4	.3																		75	75	108	177
22/ 21	.3	1.3	.9	.1																		61	61	92	144
20/ 19	.3	1.6	.4	.1																		56	56	80	107
18/ 17	.1	.8	.4	.1																		32	32	60	122
16/ 15	.2	.8	.2	.0																		29	29	43	112
14/ 13	.2	.7	.3																			28	28	22	90
12/ 11	.1	.7	.1																			22	22	30	78
10/ 9	.2	.3	.0																			11	11	21	65
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature										Total				
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 0-26-5 (OL A)

USAFETAC

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

FEB

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2 1200-1400

1200-140  
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 EIGHT RILEY KANSAS/MARSHALL AAF

39-45, 47-50, 56-72

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
80/ 79														.0				1	1		
76/ 75													.0	.0				2	2		
74/ 73													.1					3	3		
72/ 71										.0	.2	.0	.1					8	8		
70/ 69							.1	.1	.1		.0	.0						10	10		
68/ 67					.0	.0	.1	.4	.3		.0	.1						22	22		
66/ 65					.0	.2	.3	.2	.0	.1	.0							21	21		
64/ 63	.0				.2	.1	.4	.2	.2	.1								28	28	1	
62/ 61		.0	.0	.0	.3	.1	.6	.4	.3	.2								43	43	1	
60/ 59		.1	.0	.2	.1	.5	.6	.5	.4									56	56	2	
58/ 57		.1	.1	.3	.3	.4	1.0	.7	.1									69	69	10	
56/ 55	.1	.0	.0	.2	.5	.7	1.0	.8	.3									81	81	27	
54/ 53			.1	.2	.4	.9	.9	.5	.1									70	70	38	
52/ 51			.3	.9	1.1	1.2	1.1	.9										117	117	35	
50/ 49		.2	.4	.8	1.2	1.3	.6	.1										106	106	57	
48/ 47		.0	.4	.7	1.1	1.8	.6	.0										104	104	82	
46/ 45		.3	.6	1.0	.7	1.4	.3											94	94	104	
44/ 43		.6	.5	1.1	1.0	.6	.2											90	90	140	
42/ 41	.0	.5	.5	1.3	1.3	.6	.1											97	97	133	
40/ 39	.2	.8	1.0	1.2	1.4	.7	.1											124	124	143	
38/ 37	.3	1.2	1.0	1.9	.7	.5												128	128	147	
36/ 35	.3	2.3	1.7	1.2	.6	.3												145	145	159	
34/ 33	.5	1.4	2.0	1.0	.6	.1												127	127	171	
32/ 31	.5	1.4	2.5	1.3	.1	.0												140	140	173	
30/ 29	.3	1.4	1.8	1.0	.1													105	105	128	
28/ 27	.3	1.4	1.7	1.0	.3													106	106	162	
26/ 25	.2	1.8	1.6	.5	.1													94	94	127	
24/ 23	.4	1.9	1.2	.2														83	83	110	
22/ 21	.3	1.2	.6	.0														48	48	104	
20/ 19	.4	1.1	.4															44	44	66	
18/ 17	.4	1.0	.3	.2														42	42	33	
16/ 15	.1	.7	.1															21	21	29	
14/ 13	.2	.6	.2															21	21	31	
12/ 11	.7																	15	15	22	
Element (X)	ΣX²		ΣX		X̄		s²		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

## PSYCHROMETRIC SUMMARY

FEB  
MONTH

HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF

39-45, 48-50, 56-72

FEB  
MONTH

PAGE 1 1500-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point			
70/ 69										.0	.0								2	2			
66/ 65										.0	.0								2	2			
64/ 63							.1	.1	.1	.1									8	8			
62/ 61				.0	.0	.1	.1	.1	.1	.0									9	9			
60/ 59				.0	.0	.1	.1	.0	.1										12	12			
58/ 57		.0	.1	.2	.1	.1	.1	.1	.0										16	16	1		
56/ 55	.1		.2	.6	.1	.4	.4	.1											40	40	5	3	
54/ 53	.1	.1	.2	.2	.3	.7	.3												42	42	8	2	
52/ 51	.0	.2	.2	.4	.4	.5	.1	.1											43	43	20	8	
50/ 49	.0	.2	.4	.6	.8	.7	.2												64	64	30	6	
48/ 47		.2	.6	1.0	.8	.4	.1	.0											69	69	35	16	
46/ 45		.4	.9	1.2	1.0	.6	.1												90	90	47	26	
44/ 43	.1	.8	1.0	1.0	1.4	.6													104	104	86	18	
42/ 41	.0	1.0	1.3	1.6	.9	.3													111	111	97	38	
40/ 39	.1	.8	1.6	1.8	1.3	.2													125	125	100	53	
38/ 37	.1	1.4	1.7	2.2	.8	.1													136	136	127	70	
36/ 35	.6	2.9	1.8	2.3	.6	.1													176	176	145	97	
34/ 33	.8	2.2	2.2	.8	.4														135	135	211	112	
32/ 31	1.2	2.8	2.3	.9	.2	.0													156	156	191	165	
30/ 29	.4	2.6	1.8	.6	.0														114	114	163	132	
28/ 27	.6	2.7	1.9	.8	.0														128	128	155	121	
26/ 25	.6	2.6	1.7	.6															117	117	123	174	
24/ 23	.8	1.8	1.2	.3															88	88	122	162	
22/ 21	.3	2.3	1.0	.3															83	83	93	154	
20/ 19	.4	2.2	.7	.0															71	71	111	97	
18/ 17	.7	1.9	.4	.0															66	66	88	99	
16/ 15	.5	1.2	.1																39	39	60	115	
14/ 13	.2	.4	.1																17	17	31	74	
12/ 11	.3	1.0	.1																29	29	21	94	
10/ 9	.0	.3	.0																13	13	26	65	
8/ 7		.2																	5	5	8	54	
6/ 5	.1	.2																	6	6	7	44	
4/ 3		.0																	1	1	4	29	
2/ 1		.1																	3	3	3	30	
Element (X)	Σ X'		Σ X		X		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature							Total					
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F							
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 0-26-5 (OLA) JUL 64

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

FEB  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
0/-1																					15			
-2/-3																					13			
-4/-5	.0																	1	1	1	7			
-6/-7																					9			
-8/-9																					8			
-10/-11																					5			
-12/-13																					2			
-14/-15																					1			
-16/-17																					1			
TOTAL	8.232	223.9	17.5	9.5	4.9	1.7	.5	.3	.3	.1								2119	2119	2119	2119			

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Ref. Hum.	10201920	141672	66.913	565	2119							84
Dry Bulb	2762656	72628	34.311	361	2119	.0	37.1	.1				84
Wet Bulb	2164153	64553	30.5	9.659	2119	.0	47.8					84
Dew Point	1433488	49512	23.411	428	2119	2.5	66.4					84

## PSYCHROMETRIC SUMMARY

13947      FORT RILEY KANSAS/MARSHALL AAF  
STATION      STATION NAME

40-45, 48-50, 56-72

FL-3

PAGE 1

2100-2300

HOURS (L. S. T.)

[illegible]



4.

## PSYCHROMETRIC SUMMARY

५५३

STATION

STATION NAME

**YEARS**

MONTH

PAGE 2. 2100-2300  
HOURS (L. S. T.)

USAFETAC FORM 0.26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF

39-45, 48-50, 57-71

MAP  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
76/ 75								.0										1		1					
74/ 73								.2										5		5					
68/ 67				.0	.1		.1			.1								7		7					
66/ 65					.2	.2	.1											13		14					
64/ 63			.2	.2	.4	.2	.1		.0									24		26	1				
62/ 61	.1		.3	.2	.2	.2	.1											25		25	9				
60/ 59		.2	.4	.3	.3	.1	.1	.2										34		34	9				
58/ 57			.2	.1	.1	.1	.4	.3	.1									29		29	26				
56/ 55	.0	.2	.1	.2	.4	.3	.1	.1										32		32	29				
54/ 53		.2	.2	.5	.2	.2	.4											25		55	28				
52/ 51	.2	.4	.6	.9	.5	.4	.3	.0										74		74	21				
50/ 49	.1	.3	.7	.7	.4	.2	.1											56		56	31				
48/ 47	.1	.5	1.0	.8	.8	.4	.1											85		85	56				
46/ 45	.2	1.4	1.0	1.0	1.2	.0												112		112	105				
44/ 43	.4	.5	1.4	.9	.7	.2												94		94	94				
42/ 41	.3	1.2	1.7	.9	.3													98		98	106				
40/ 39	.3	1.3	1.6	1.0	.3													101		103	110				
38/ 37	.4	2.1	1.4	1.5	.5													136		137	160				
36/ 35	.2	3.2	1.8	.9	.4													146		146	111				
34/ 33	.6	3.2	3.1	.8	.0													177		177	173				
32/ 31	1.3	4.4	2.7	1.0														213		213	185				
30/ 29	.9	4.0	2.5	.5														179		179	234				
28/ 27	.8	3.7	1.2	.3														138		138	193				
26/ 25	.8	2.8	.7	.0														98		98	165				
24/ 23	.5	2.1	.7	.0														78		78	99				
22/ 21	.3	1.9	.7	.0														68		68	77				
20/ 19	.4	1.4	.4															51		51	60				
18/ 17	.3	1.1	.0															32		32	55				
16/ 15	.3	1.0																43		43	38				
14/ 13		.6																14		14	36				
12/ 11	.1	.6																17		17	16				
10/ 9	.2	.5																16		16	20				
8/ 7	.0	.0																2		2	5				
6/ 5	.3																	6		6	7				
Element (X)	Σ x <sup>2</sup>		Σ x		x̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**YEARS**

MAR  
MONTH

0000-0200

00004020  
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF

39-45, 48-50, 57-72

MAR  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL																								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	Dry Bulb	Wet Bulb	Dew Point																																					
74/ 73							.0											1														1																									
72/ 71							.1	.1										4														4																									
70/ 69							.0											1														1																									
68/ 67																																3																									
66/ 65					.1		.0	.0	.0		.0							5														5																									
64/ 63			.1		.3	.0	.0											11														11																									
62/ 61		.0	.5	.2	.2	.0	.0			.0								24														24	4																								
60/ 59	.0	.2	.2	.2	.1	.2	.0	.1										24														24	9	2																							
58/ 57	.0	.3	.4	.2	.1	.2	.2	.1										34														34	19	7																							
56/ 55		.3	.2	.2	.3	.3	.2	.3										33														33	27	16																							
54/ 53		.1	.3	.3	.3	.4	.3	.4										39														39	19	17																							
52/ 51	.1	.6	.4	.3	.7	.2	.1											57														57	26	26																							
50/ 49	.2	.0	.3	.3	.3	.3	.1											50														50	35	24																							
48/ 47		.1	.7	.6	.4	.3												48														48	43	29																							
46/ 45	.2	1.1	.8	1.0	.5	.0												84														84	61	31																							
44/ 43	.4	1.4	1.1	.9	.8													107														107	84	38																							
42/ 41	.7	1.3	1.3	1.0	.3													103														103	59																								
40/ 39	.1	1.0	2.5	.8	.4													110														110	98	82																							
38/ 37	.7	2.1	1.3	1.4	.3													133														133	145	62																							
36/ 35	.3	2.9	1.7	.9	.2													138														138	121	97																							
34/ 33	.8	3.6	2.2	.6	.1													167														167	159	120																							
32/ 31	1.0	4.3	2.5	.4	.1													189														189	200	174																							
30/ 29	1.3	5.1	3.1	.7														234														234	200	190																							
28/ 27	1.5	3.8	1.5	.2														162														162	233	137																							
26/ 25	1.0	3.4	.9	.1														123														123	190	207																							
24/ 23	.8	2.3	.4															82														82	115	156																							
22/ 21	.4	1.6	.3															59														59	93	160																							
20/ 19	.5	2.0	.3															66														66	59	122																							
18/ 17	.7	1.8	.3															65														65	75	100																							
16/ 15	.3	1.5																41														41	50	102																							
14/ 13	.3	.9																26														26	43	59																							
12/ 11	.1	.7																18														18	16	67																							
10/ 9	.3	.2																12														12	21	41																							
8/ 7	.4	.6																23														23	16	26																							
Element (X)	$\Sigma X^2$					$\Sigma X$					$\bar{X}$					$\sigma_x$					No. Obs.					Mean No. of Hours with Temperature																															
Rel. Hum.																										$\leq 0 F$					$\leq 32 F$					$\leq 67 F$					$\leq 73 F$					$\leq 80 F$					$\leq 93 F$					Total	
Dry Bulb																																																									
Wet Bulb																																																									
Dew Point																																																									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

MAR  
MONTH

0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET GULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
6/ 5	.2	.1																4	7	13	36	
4/ 3	.1	.0																4	4	5	31	
2/ 1	.1	.0																4	4	4	27	
0/ -1	.0	.1																4	4	4	9	
-2/ -3	.2																	4	4	5	7	
-4/ -5	.2																	4	4	4	5	
-6/ -7																					3	
-8/ -9																					6	
-10/-11																					6	
-12/-13																					1	
TOTAL	13.0	44.1	23.5	10.4	5.5	2.1	1.2	.1	.0	.0								2302	2305	2302	2302	
	</																					



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 35-45, 47-50, 56-72  
STATION STATION NAME YEARS

MAP  
MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point					
2/-1	.1	.0																							
0/-1	.2	.2																7	3	2					
-2/-3	.0																	9	9	8					
-4/-5	.0	.0																1	1	3					
-6/-7	.1																	2	2	2					
-8/-9																		7	2	2					
-10/-11																									
-12/-13																									
-16/-17																									
TOTAL	12.1	44.7	23.0	11.3	5.2	2.2	.6	.2	.1									2508	2510	2509					
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature										Total									
Rel. Hum.	14688944	188152	75.0	15.127	2508	$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\leq 73 F$	$\geq 80 F$	$\leq 93 F$				93										
Dry Bulb	3241290	85138	33.9	11.869	2510	.5	44.3	.3							93										
Wet Bulb	2710125	78067	31.1	10.587	2509	.6	54.8								93										
Dew Point	2071617	65903	26.3	11.653	2509	1.8	67.9								93										

## PSYCHROMETRIC SUMMARY

39-45, 47-50, 56-72

MAR

PAGE 1 0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
80/ 79													.0					1	1															
78/ 77								.1	.1	.0	.0							6	6															
76/ 75									.2				.0	.0				6	6															
74/ 73							.0	.1	.1		.2		.0					14	14															
72/ 71				.0		.1	.1	.0	.1		.1							11	11															
70/ 69					.1	.2	.3	.2	.3	.2	.1							35	35															
68/ 67				.2	.2	.3	.2	.3	.1	.2								37	37	1														
66/ 65				.0	.2	.3	.2	.2	.4	.1	.0							40	40	1	1													
64/ 63			.0	.2	.1	.2	.5	.3	.3	.0								42	42	5														
62/ 61			.2	.2	.2	.4	.3	.3	.2	.0								53	53	15														
60/ 59		.2	.2	.3	.4	.8	.4	.4	.3	.0								73	73	22	3													
58/ 57		.1	.2	.3	.5	.7	.3	.4	.1									67	67	42	10													
56/ 55	.0	.2	.2	.5	.6	.8	.5	.3	.1									76	76	44	15													
54/ 53	.2	.1	.3	.6	.8	.8	.6	.1	.0									85	85	55	35													
52/ 51	.0	.3	.2	.4	.9	1.0	.6	.0										87	87	73	27													
50/ 49	.1	.2	.4	.6	1.2	.9	.1	.1										90	90	100	37													
48/ 47	.1	.6	.5	1.0	1.4	1.2	.2											125	125	94	38													
46/ 45	.1	.4	.7	1.6	1.5	.6	.2											131	131	100	43													
44/ 43	.2	.8	1.4	1.6	1.4	.4												145	145	128	67													
42/ 41	.1	1.1	.9	1.9	1.1	.2	.0											135	135	156	87													
40/ 39	.1	1.2	2.5	1.6	1.1	.1												165	165	163	86													
38/ 37	.3	.9	1.9	2.3	.7	.1												152	152	196	128													
36/ 35	.2	1.9	2.0	1.8	.2													155	155	190	136													
34/ 33	.3	2.3	2.4	.6	.3													155	155	193	144													
32/ 31	.8	2.2	1.7	.9	.1													142	142	214	222													
30/ 29	.5	.9	1.2	.7	.1													84	84	174	217													
28/ 27	.4	1.3	1.4	.4														102	102	105	147													
26/ 25	.4	1.3	1.1	.4														79	79	109	195													
24/ 23	.1	1.0	1.0	.0														53	53	87	169													
22/ 21	.1	.8	.5	.0														37	37	60	144													
20/ 19	.1	.7	.3															28	28	50	106													
18/ 17	.2	1.0	.2															34	34	37	73													
16/ 15	.0	.9	.2															21	21	31	73													
14/ 13	.1	.4	.0															13	13	23	69													
Element (X)	ΣX'		ΣX		X̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature																							
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																	
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		



## PSYCHROMETRIC SUMMARY

YEARS

MAR  
MONTH

0700-1100  
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947  
STATION

FUPT KILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

MAR  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
90/ 89																.0		1	1						
88/ 87													.0	.0		.0		3	3						
86/ 85												.0			.1			3	3						
84/ 83										.1	.1	.1			.0			7	7						
82/ 81										.1	.2			.1				9	5						
80/ 79									.1	.1	.2	.0	.2	.2				21	21						
78/ 77						.0		.0	.0	.1	.1	.2	.3	.1				23	23						
76/ 75					.0	.0		.1	.3	.3	.3	.3	.1					35	35						
74/ 73					.0	.1	.0	.3	.3	.4	.2	.3	.0					42	42						
72/ 71					.0	.2	.3	.2	.4	.5	.4	.1	.0					55	55						
70/ 69					.2	.2	.3	.3	.4	.6	.5	.1						67	67						
68/ 67				.0	.1	.1	.4	.4	.5	.5	.4							61	61			3			
66/ 65				.2	.1	.3	.4	.6	.5	.4	.3	.0						70	70			8			
64/ 63				.2	.2	.5	.5	.6	.6	.6	.2							81	81			14	2		
62/ 61		.0	.1	.3	.5	.6	.7	.7	1.0	.1	.0							102	102			26			
60/ 59		.2	.2	.2	.4	.6	.6	.4	.7	.1								80	80			47	6		
58/ 57		.0	.1	.2	.6	.9	.8	.8	.3	.0								97	97			55	14		
56/ 55	.0	.1	.1	.3	.4	.7	1.1	.7	.2									93	93			97	17		
54/ 53	.0	.1	.1	.2	.8	1.2	1.2	.3	.1									101	101			100	27		
52/ 51	.1	.0	.3	.4	.9	1.2	1.0	.3										110	110			125	36		
50/ 49	.1	.3	.4	.5	1.2	1.7	.9	.1										130	130			105	37		
48/ 47		.4	.5	1.1	1.2	1.3	.5	.0										124	124			145	50		
46/ 45	.1	.3	.4	.6	1.1	1.4	.1											103	103			148	66		
44/ 43	.1	.5	.8	1.1	.8	.6	.2											101	101			158	77		
42/ 41	.1	.6	1.2	1.1	1.4	.8	.0											131	131			170	95		
40/ 39	.1	.3	1.0	1.4	.9	.3	.0											123	123			164	104		
38/ 37	.2	.6	1.4	1.7	.9	.2												125	125			180	106		
36/ 35	.2	1.2	1.8	1.2	.8	.1												134	134			156	141		
34/ 33	.4	1.0	1.6	.9	.4													107	107			150	177		
32/ 31	.5	1.2	1.0	.7	.2													93	93			180	197		
30/ 29	.3	.9	1.1	.4	.0													70	70			121	168		
28/ 27	.1	.6	1.0	.3														50	50			103	174		
26/ 25	.2	.6	1.1	.2														53	53			71	196		
24/ 23	.1	.3	.6	.1														29	29			51	187		
Element (X)	$\Sigma x^2$		$\Sigma x$		$\bar{x}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature							Total							
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

## 4

MAR  
MONTH

4

4

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF

39-45, 47-50, 56-72

MAR

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
90/ 89													.0				.0	2	2						
88/ 87												.0	.0	.0			.1	5	5						
86/ 85											.0	.0	.1			.0		5	5						
84/ 83										.1		.2	.1	.1				11	11						
82/ 81									.1	.0	.1	.2		.1	.2			16	16						
80/ 79									.1	.2	.4	.4	.4	.2	.0			41	41						
78/ 77						.0	.0	.0	.0	.2	.4	.2	.2	.1				30	30						
76/ 75					.0	.0	.1	.1	.1	.2	.3	.3	.2					33	33						
74/ 73						.1	.2	.1	.3	.4	.4	.4	.1					51	51						
72/ 71					.1	.2	.4	.5	.5	.4	.5	.3	.2					75	75						
70/ 69					.2	.2	.2	.2	.6	.6	.7	.5						79	79						
68/ 67				.0	.0	.2	.2	.6	.6	.9	.4	.0						74	74	4					
66/ 65				.2	.4	.2	.2	.4	.7	.9	.4							81	81	10	1				
64/ 63				.1	.2	.3	.5	.5	.7	.5	.2							73	73	16	1				
62/ 61		.0	.1	.2	.3	.9	.4	.3	.5	.4								96	96	41	2				
60/ 59		.1		.1	.5	.7	.7	.6	.7	.3	.0							94	94	49	6				
58/ 57		.1	.2	.2	.4	.8	.6	1.1	.2	.0								89	89	78	12				
56/ 55			.2	.2	.5	.7	1.3	.8	.4									103	103	72	19				
54/ 53		.1	.2	.2	.8	1.0	1.2	.4	.3									103	103	112	34				
52/ 51	.0	.1	.2	.4	1.2	1.2	1.1	.2	.0									112	112	131	26				
50/ 49	.0	.3	.4	.7	1.0	1.0	.6	.2										102	102	122	40				
48/ 47		.2	.6	1.0	1.1	.8	1.0	.0										116	116	168	42				
46/ 45	.1	.5	.4	.9	.8	.8	.4	.0										96	96	140	68				
44/ 43		.3	.7	1.0	1.0	1.0	.3	.2										113	113	174	31				
42/ 41	.2	.6	.9	.8	1.2	.7	.1											112	112	166	90				
40/ 39	.2	1.0	1.5	1.4	1.0	.8	.0											144	144	168	109				
38/ 37	.1	.8	1.3	1.5	1.3	.1												126	126	135	119				
36/ 35	.2	1.2	1.3	1.1	.3													104	104	166	159				
34/ 33	.4	1.2	1.0	.6	.4													88	88	179	147				
32/ 31	.2	1.2	.9	.8	.0													77	77	151	210				
30/ 29	.4	.9	.9	.6														61	61	122	184				
28/ 27	.2	.7	1.0	.2	.0													55	55	60	151				
26/ 25	.3	.6	.7	.2														48	48	84	184				
24/ 23	.1	.1	.4	.0														17	17	46	157				
Element (X)	Σ X²		Σ X		X̄		s²		No. Obs.		Mean No. of Hours with Temperature														
Ref. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 64

USAF ETAC



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF

39-45, 48-50, 56-72

MAR  
MONTH

PAGE 1 1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb Wet Bulb Dew Point						
84/ 83											.0									1	1			
82/ 81											.1	.0		.0						4	4			
80/ 79								.0		.1	.0									5	5			
78/ 77									.1	.2	.0			.1	.0					10	10			
76/ 75									.1	.3	.1			.1						12	12			
74/ 72								.1	.1	.2	.0	.2	.2	.0						18	19			
72/ 71			.0		.0		.1	.2	.3	.2	.0	.0								23	23			
70/ 69		.0	.0	.1	.0	.1	.2	.2	.3	.2	.1									33	33			
68/ 67		.0	.0	.1	.3	.3	.4	.4	.3	.3	.2	.0								46	46	2	1	
66/ 65		.0	.0	.1	.3	.3	.4	.5	.5	.1	.2									56	56	3	1	
64/ 63		.1	.1	.2	.3	.3	.1	.5	.4	.3	.0									56	56	7	2	
62/ 61		.0	.2	.1	.3	.4	.5	.5	.5	.1										62	63	16	1	
60/ 59		.1	.2	.1	.5	.6	.6	.7	.4	.1	.0									77	77	30	4	
58/ 57		.1	.2	.4	.7	.5	.7	.6	.4											84	85	47	12	
56/ 55		.1	.3	.3	.7	.6	.5	.3	.3											72	72	47	15	
54/ 53		.3	.1	.6	.8	.9	1.2	.3	.0											101	101	60	21	
52/ 51	.0	.1	.5	.6	.8	.8	.6	.3												91	91	85	27	
50/ 49	.0	.6	.6	1.0	.9	1.0	.3	.0												104	104	97	38	
48/ 47	.0	.3	.6	.8	.9	1.2	1.0	.4												108	108	122	44	
46/ 45	.1	.6	.8	1.5	1.7	.6	.4													133	133	118	56	
44/ 43	.1	.9	1.0	1.2	.6	.6	.0													102	102	138	70	
42/ 41	.1	.4	1.2	1.8	.9	.6	.1													118	118	169	96	
40/ 39	.1	1.5	1.8	.9	1.0	.5	.1													138	138	143	93	
38/ 37	.3	1.3	2.2	1.7	.8	.2														150	150	175	115	
36/ 35	.1	1.5	1.4	1.6	.6															118	118	155	138	
34/ 33	.3	2.4	1.9	1.6	.4															140	140	164	148	
32/ 31	.6	1.8	2.2	.8	.1															127	127	166	176	
30/ 29	.3	.9	1.2	.7	.0															73	73	159	208	
28/ 27	.2	1.0	.9	.5																60	60	112	137	
26/ 25	.6	1.0	.6	.3																58	58	88	140	
24/ 23	.1	.9	1.2																	52	52	53	136	
22/ 21		.4	.4																	20	20	53	123	
20/ 19	.2	.9	.1																	29	29	47	112	
18/ 17	.3	.0																		9	9	21	103	
Element (X)	Σ x'		Σ x		x̄		e <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 0-26-5 (O. A.)  
JUL 64

USAFETAC

## PSYCHROMETRIC SUMMARY

MAR  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

[illegible]0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**

## PSYCHROMETRIC SUMMARY

MD

STATION

STATION NAME

YEARS

MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

[illegible]



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

13947      FURT RILEY KANSAS/MARSHALL AAF  
STATION      STATION NAME

39-45, 48-50, 56-72 YEARS

MA 12  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

13947	FORT KILEY KANSAS/MARSHALL AAF
STATION	STATION NAME

39-45, 48-50, 57-71

APP

MONTH

PAGE 1

0000-0200  
HOURS (L. S. T.)

[illegible]

4

## PSYCHROMETRIC SUMMARY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AFB  
STATION NAME

39-45, 48-50, 57-71

APR  
MONTH

PAGE 2

0000-0200

FORM W-2  
JUL 64

**USAFETAC**

## PSYCHROMETRIC SUMMARY

13947  
STATIC

FLYPT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-72

APR  
MONTH

PAGE 1

0300-0300

HOURS (L, S, T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0.26-5 (01 A)

**USAFETAC**

## PSYCHROMETRIC SUMMARY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-72

APR  
MONTH

PAGE 2

0300-0500

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
6/ 5																						
TOTAL	6.8	34.0	29.7	15.8	8.2	4.7	1.0	.9	.1	.1								2241	2247		2241	
																		2241		2241		

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

13947	FORT RILEY KANSAS/MARSHALL AFB
STATION	STATION NAME

39-45, 47-50, 56-72.

APP

PAGE 1 0600-0900  
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

STATION	STATION NAME	YEARS
13947	FORT RILEY KANSAS/MARSHALL AAF	39-45, 47-50, 56-72

APR  
MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

[illegible]0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 47-50, 56-72

APR  
MONTH

PAGE 1 0700-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL																														
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31					Dry Bulb	Wet Bulb	Dew Point																												
84/ 83										.0	.1	.0	.0					5	5																																	
82/ 81						.0		.0	.1	.1	.1	.1	.0					12	13																																	
80/ 79							.1	.2	.2	.2	.0							20	21																																	
78/ 77					.1	.2	.3	.3	.4	.1	.1	.0						40	40																																	
76/ 75			.0	.1	.1	.4	.5	.2	.2	.2	.2	.1						52	53																																	
74/ 73				.2	.5	.4	.6	.4	.4	.3	.2							74	74																																	
72/ 71				.1	.9	.3	.4	.6	.4	.2	.2	.1						77	77		3																															
70/ 69			.2	.6	.7	.7	.7	.7	.4	.1	.1	.0						99	99		6			1																												
68/ 67			.4	.6	.6	.7	1.0	.7	.6	.3	.1							122	122		22			3																												
66/ 65	.1	.4	.9	.9	.9	1.0	.8	.7	.5	.2	.1							131	131		59			8																												
64/ 63	.1	.3	.9	.9	1.1	.9	.9	.5	.3	.0								147	147		81			14																												
62/ 61	.8	.7	.8	1.3	1.1	.8	.5	.5	.1									160	160		105			57																												
60/ 59	.4	.9	1.2	.9	1.3	1.1	.5	.2										159	159		114			67																												
58/ 57	.3	.6	.6	1.2	1.4	1.0	.7	.1										144	144		142			86																												
56/ 55	.9	.7	1.2	1.3	1.3	.8	.2	.1										161	161		170			81																												
54/ 53	.7	1.2	1.1	1.1	1.1	.7	.2	.1										151	151		176			104																												
52/ 51	.0	.7	1.2	1.1	1.4	.8	.4	.1										140	140		171			116																												
50/ 49	.2	.7	1.1	1.5	1.1	.9	.5	.1										153	153		192			130																												
48/ 47	.0	1.0	1.1	1.1	.9	.8	.4											132	132		210			131																												
46/ 45	.1	1.1	.8	.8	.7	.7	.1											104	104		204			160																												
44/ 43	.2	1.2	.7	1.2	.9	.4	.1											113	113		178			150																												
42/ 41	.1	.6	.8	.7	.9	.2												81	81		152			174																												
40/ 39	.0	.7	.6	.7	.4	.1												61	61		115			166																												
38/ 37	.0	.9	.4	.4	.2	.0												47	47		127			138																												
36/ 35	.2	.4	.3	.3	.0													30	30		99			161																												
34/ 33	.0	.2	.2	.2														17	17		53			135																												
32/ 31			.2	.1														9	9		32			112																												
30/ 29			.3															7	7		20			105																												
28/ 27	.0	.0	.0															3	3		10			69																												
26/ 25																					9			84																												
24/ 23																					1			52																												
22/ 21																								51																												
20/ 19																								38																												
18/ 17																								29																												
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ																													
Rel. Hum.																																																				
Dry Bulb																																																				
Wet Bulb																																																				
Dew Point																																																				
Mean No. of Hours with Temperature																																																				
		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total																																						

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

13947      FORT RILEY KANSAS/MARSHALL AAF  
STATION      STATION NAME

39-45, 47-50, 56-72

APR  
MAY

PAGE 2

0900-1100  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

APR  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

APP  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF

39-45, 48-50, 57-72

APR  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
88/ 87										.0								1	2					
86/ 85										.1	.0		.1		.0			7	7					
84/ 83									.1	.1	.1	.1	.0					11	12					
82/ 81									.2	.2	.1	.2	.1					19	20					
80/ 79							.1	.2	.3	.6	.1	.3	.0	.0				42	42					
78/ 77						.1	.2	.4	.5	.3	.3	.1	.0	.0				47	47					
76/ 75				.1	.3	.3	.3	.5	.3	.4	.2							60	60					
74/ 73			.1	.5	.4	.4	.5	.2	.3	.3	.1	.0						67	67					
72/ 71			.3	.6	.4	.5	.0	.6	.4	.3	.1							85	85					
70/ 69		.1	.2	.6	1.0	.7	.9	.9	.4	.3	.0							115	116	2				
68/ 67		.2	.5	.9	.7	.7	.7	.7	.5									119	119	23				
66/ 65		.2	.6	.7	.7	1.2	.8	1.0	.6	.3	.1							142	142	46	3			
64/ 63		.4	.6	.6	.5	1.0	.8	1.7	.7	.2								152	152	77	18			
62/ 61	.0	.3	.6	.7	.6	.9	1.3	1.0	.6	.2								144	144	118	44			
60/ 59		.3	.5	1.1	.7	1.1	1.4	.7	.2	.2								142	142	131	46			
58/ 57		.7	.9	.7	1.3	1.3	1.2	.8	.3									168	168	128	53			
56/ 55	.3	.6	1.0	1.0	1.1	.8	1.0	.4	.1									144	144	174	107			
54/ 53	.0	.3	.6	.9	1.1	1.4	1.0	.3										132	132	180	102			
52/ 51	.0	.6	.9	1.3	1.0	1.0	.5	.2										126	126	166	116			
50/ 49	.1	.9	.8	1.1	.7	.6	.7	.1										113	113	214	108			
48/ 47	.1	1.0	.9	.8	1.2	.7	.5											118	118	206	125			
46/ 45	.1	.7	.9	.9	.6	.3	.2	.0										86	86	168	132			
44/ 43	.1	.5	1.0	.5	.3	.3	.1											64	64	176	156			
42/ 41	.0	.5	.9	.6	.5	.1												61	61	119	121			
40/ 39	.2	.5	.5	.4	.2	.0												42	42	110	180			
38/ 37	.1	.6	.4	.2	.3	.0												38	38	103	160			
36/ 35	.1	.2	.2	.2	.1													17	17	58	170			
34/ 33		.2	.1	.2														11	11	40	113			
32/ 31		.1		.1														5	5	18	130			
30/ 29				.1														2	2	17	106			
28/ 27		.1	.0															4	4	7	68			
26/ 25			.0															1	1	3	54			
24/ 23																				2	32			
22/ 21																					34			
Element (X)	Σx'		Σx		Σ		Σ <sub>a</sub>		No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum.											≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64

REMOVED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

APR  
MONTH

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
20 / 19																					35			
18 / 17																					36			
16 / 15																					16			
14 / 13																					16			
12 / 11																					2			
8 / 7																					1			
6 / 5																					1			
4 / 3																					1			
TOTAL	1.3	8.7	11.8	13.3	13.5	13.8	12.7	9.8	6.9	4.3	2.2	1.2	.4	.1	.0			2286	2289	2286	2286			
Total Hours																		2286						

U.S.A.F.ETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 48-50, 57-72

APP  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
80/ 79							.0			.1	.1							5	6						
78/ 77							.1	.1	.1	.0	.0							10	11						
76/ 75				.0		.1	.3	.2	.2	.1								22	23						
74/ 73					.1	.2	.2	.2	.3	.1	.0							27	27						
72/ 71				.5	.2	.4	.7	.1	.2	.1	.1							50	50	1					
70/ 69			.1	.6	.1	.6	.4	.2	.3	.0								52	52		1				
68/ 67			.3	.4	.6	.5	.3	.2	.3	.1	.1							62	62	6					
66/ 65		.2	.6	.0	.6	.7	.4	.7	.1									86	86	24	3				
64/ 63		.3	.5	.8	.8	.8	.5	.5		.1	.0							101	101	49	14				
62/ 61	.1	.6	1.2	.4	.4	.9	1.0	.3	.1	.0								113	113	65	32				
60/ 59	.0	.6	.9	1.0	.5	1.0	.7	.1	.1	.1								114	114	90	40				
58/ 57	.0	1.0	1.3	1.2	1.1	1.1	.7	.2										151	151	110	55				
56/ 55		1.0	1.4	1.8	1.2	1.3	.6	.1										166	166	96	88				
54/ 53	.3	1.0	1.4	1.0	1.5	.9	.4	.2										149	149	151	83				
52/ 51		1.2	1.6	1.8	.7	.7	.2											146	146	149	94				
50/ 49	.1	1.4	1.5	2.2	1.5	.6	.3											173	173	186	128				
48/ 47	.0	1.0	2.1	1.7	1.1	.3	.1											142	142	165	130				
46/ 45	.3	1.0	1.8	1.5	1.0	.3												149	149	213	141				
44/ 43		1.3	2.4	1.5	.4	.4												132	132	177	132				
42/ 41	.0	1.0	1.6	1.2	.6	.3												112	112	166	154				
40/ 39	.2	1.1	1.8	.8	.7													103	103	151	169				
38/ 37	.4	.9	.6	.6	.2	.0												62	62	150	175				
36/ 35	.1	.8	.8	.8	.1													61	61	100	182				
34/ 33	.2	.4	.3	.4	.0													30	30	68	129				
32/ 31		.4	.6	.2														26	26	51	133				
30/ 29	.0	.3	.4															17	17	44	99				
28/ 27		.1	.2															7	7	22	66				
26/ 25		.0																1	1	17	44				
24/ 23		.0	.0															2	2	3	49				
22/ 21																				2	39				
20/ 19																					37				
18/ 17																					27				
16/ 15																					17				
14/ 13																					6				
Element (X)	$\Sigma x^2$		$\Sigma x$		$\bar{x}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISIT PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

APR  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

USAFETAC  
FORM  
JUL 64  
0.26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

13947  
STATIONFORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-71

YEARS

MAY  
MONTH

PAGE 1

0000-0200

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
82/ 81						.1					.0							3	3	
80/ 79					.1	.1		.0										6	6	
78/ 77			.0	.4	.3	.1	.1											21	21	
76/ 75			.3	.5	.4	.6	.2	.1	.1	.0								51	51	
74/ 73		.1	.6	1.4	.8	.6	.4	.2		.2								100	100	1
72/ 71		.2	1.0	1.2	1.4	.7	.4	.0	.0									114	114	33
70/ 69		.6	1.0	.7	.4	.7	.3	.3										112	112	44
68/ 67		1.2	1.2	1.1	.7	.6	.3	.4										127	127	88
66/ 65		1.7	2.7	1.4	.9	.4	.4	.1										173	174	141
64/ 63	.1	2.3	1.6	1.2	.7	.4	.2											151	151	136
62/ 61	.4	2.5	1.2	1.1	.7	.5	.1											149	149	198
60/ 59	.6	3.2	1.7	1.3	.8	.5	.1											199	199	190
58/ 57	.3	2.4	2.1	.7	.4	.3	.1											144	144	175
56/ 55	.2	2.9	1.8	1.5	.9	.4												175	175	194
54/ 53	.2	2.9	1.8	1.1	.6	.1	.0											156	156	190
52/ 51	.2	2.9	1.6	.7	.5	.1												136	138	168
50/ 49	.2	2.5	1.7	1.0	.3	.1												131	131	163
48/ 47	.3	1.7	.8	.7	.1	.0												83	83	139
46/ 45	.1	1.7	.5	.6	.0													66	66	114
44/ 43	.3	1.4	.7	.2														57	57	98
42/ 41	.2	.9	.6	.2														43	43	61
40/ 39	.2	.7	.3	.1														28	28	59
38/ 37	.2	.7	.1	.0														26	26	40
36/ 35	.0	.3	.1	.1														11	11	19
34/ 33	.1	.1	.0															4	4	10
32/ 31		.0	.1															4	4	5
30/ 29																			4	15
28/ 27																			2	7
26/ 25																				6
22/ 21																				3
TOTAL	3.6	33.1	24.3	17.8	10.2	6.6	2.8	1.3	.1	.2	.0							2272	2273	2271
																		2272	2272	
Element (X)	Σx <sup>2</sup>		Σx		X		Σx		X		No. Obs.		Mean No. of Hours with Temperature						Total	
Rel Hum.	14219708		176758		77.8		14.269		2271		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F	
Dry Bulb	8100610		133944		58.9		9.557		2273				.2		21.8		7.4		.2	
Wet Bulb	6961757		124265		54.7		8.529		2272				.5		6.8		.0			
Dew Point	6221684		116986		51.5		9.278		2271				1.8		3.2					

USAFETAC FORM 0-26-5 (OL A) JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 48-50, 57-72

MAY  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
80/ 79						.0												1	1	
78/ 77				.0	.2	.0	.0											7	7	
76/ 75			.1	.4	.2	.1		.1										21	21	
74/ 72		.1	.3	.5	.2	.0	.2	.1										31	31	
72/ 71		.1	1.4	.7	1.2	.3	.3		.0									92	92	11
70/ 69		.7	1.8	1.3	.7	.5	.1		.0									121	121	40
68/ 67		.3	1.7	.9	1.0	.5	.0	.0										111	111	62
66/ 65	.1	1.7	1.8	1.3	.6	.4	.2	.0										143	143	102
64/ 63	.2	3.1	1.7	1.0	.6	.5	.2	.0										167	167	136
62/ 61	.2	3.0	1.7	.8	.5	.3	.2	.0										164	165	185
60/ 59	.5	3.9	1.4	1.8	.6	.3	.1											198	199	204
58/ 57	.6	3.0	2.1	1.0	.6	.2	.1	.0										175	176	179
56/ 55	.5	2.6	1.6	.7	.5	.2												139	140	170
54/ 53	.2	3.0	1.5	.8	.4	.1												139	139	175
52/ 51	.6	3.2	1.7	.6	.6	.2												162	162	179
50/ 49	.8	3.0	1.4	.9	.4	.0												151	151	158
48/ 47	.3	2.4	1.6	.8	.2	.1												125	125	146
46/ 45	.8	1.6	.7	.2	.2													85	85	140
44/ 43	.6	1.0	1.2	.3	.0													45	97	131
42/ 41	.3	1.0	.7	.0	.0	.0												48	48	79
40/ 39	.4	1.2	.6	.0	.0													51	51	64
38/ 37	.3	1.1	.3															40	40	57
36/ 35	.3	.7	.1															26	26	46
34/ 33	.2	.3	.1															15	15	24
32/ 31		.1																2	2	7
30/ 29		.1																2	2	4
28/ 27		.1																2	2	4
26/ 25																				3
24/ 23																				4
22/ 21																				3
18/ 17																				2
TOTAL	7.3	38.5	25.7	14.1	8.9	3.7	1.3	.4	.1									2303	2309	2303
																		2303		2303
Element (X)	Σ x <sup>2</sup>		Σ x		x̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature						Total			
Rel. Hum.	15548713		186703		81.1		13.391		2303		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93			
Dry Bulb	7617309		130769		56.6		7.568		2303			.2	15.5	2.4	.0		93			
Wet Bulb	6698655		122539		53.2		8.807		2303			.6	4.6				93			
Dew Point	6081658		116306		50.5		9.505		2303			3.0	2.5				93			

USAFETAC FORM 0-26-5 (OL A) JUL 64

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

MAY  
MONTH

PAGE 1

0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
92/ 91											.0							1	1						
82/ 81						.0												1	1						
80/ 79					.1	.2	.0	.0		.0								11	11						
78/ 77				.3	.3	.2	.2		.0		.0							27	27						
76/ 75			.1	.8	.7	.5	.2	.1	.0	.0								67	62						
74/ 73		.1	.8	1.5	1.1	.3	.3	.2	.1									109	109	1					
72/ 71	.0	.2	1.0	1.6	1.1	.6	.2	.1	.2									125	125	30	3				
70/ 69		.3	1.5	1.9	.8	.5	.3	.1	.0									136	136	68	28				
68/ 67		.8	1.9	1.3	.8	.7	.1	.3	.0									149	149	98	49				
66/ 65		1.3	1.8	1.6	.7	.6	.3	.0										157	157	154	98				
64/ 63	.2	2.1	1.7	1.4	1.1	.6	.4	.0										185	186	178	120				
62/ 61	.3	2.3	1.7	1.2	1.3	.5	.0	.0										180	180	174	186				
60/ 59	.5	3.4	2.2	1.5	.9	.6	.2											230	230	219	178				
58/ 57	.2	2.5	2.0	1.5	.6	.2	.2											181	181	208	189				
56/ 55	.3	2.0	1.6	1.4	.7	.4	.0											159	159	201	175				
54/ 53	.0	2.0	1.6	1.2	.6	.3												147	148	189	164				
52/ 51	.5	2.5	1.9	1.1	.6	.2												168	170	193	189				
50/ 49	.2	2.3	1.4	.8	.2	.0												122	122	180	202				
48/ 47	.1	1.5	1.3	1.0	.1													97	97	148	144				
46/ 45	.1	1.4	.8	.5	.1													72	72	130	160				
44/ 43	.2	1.0	.8	.3	.0													54	60	109	144				
42/ 41	.1	.5	.4	.1	.1													31	31	67	112				
40/ 39	.2	.5	.4	.0	.1													28	28	49	96				
38/ 37	.1	.5	.2	.0	.0													20	20	34	73				
36/ 35		.2	.1	.0														9	9	21	64				
34/ 33	.1	.1																5	5	14	43				
32/ 31			.0															1	1	4	21				
30/ 29		.1																2	2	4	16				
28/ 27																				1	8				
26/ 25																					6				
22/ 21																					3				
20/ 19																					1				
18/ 17																					2				
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature							Total									
Rel. Hum.									≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F		Total									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

## PSYCHROMETRIC SUMMARY

39-45, 47-50, 56-72

MAY  
MONTH

PAGE 2

0600-0800  
HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (01-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## PSYCHROMETRIC SUMMARY

13947  
STATIONFORT RILEY KANSAS/MARSHALL AAF  
STATION NAME39-45, 47-50, 56-72  
YEARSMAY  
MONTH

PAGE 1

0906-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
92/ 91															.0						1	1		
90/ 89									.0	.0					.0						3	3		
88/ 87							.0	.0	.1	.1		.2	.1	.0							14	14		
86/ 85						.1	.3	.4	.3	.3	.0	.1	.1								41	41		
84/ 83					.0	.3	.7	1.0	.4	.2	.1	.1									73	73		
82/ 81				.1	.5	.9	1.3	1.0	.2	.4	.0	.2									105	105		
80/ 79			.0	.1	.7	2.0	1.8	.0	.6	.2	.4	.0									159	159		
78/ 77			.2	.4	1.2	1.8	1.2	.0	.5	.2	.2	.0									160	160		
76/ 75		.1	1.0	1.6	1.5	1.1	.8	.5	.6	.1											183	183	12	
74/ 73	.0	.4	1.1	1.1	.9	1.4	.0	.4	.5	.1											163	163	48	7
72/ 71		.1	.4	1.1	1.2	.9	1.0	1.2	.6	.2	.1	.0									172	172	91	18
70/ 69		.0	.9	1.3	1.1	1.0	1.4	.7	.5	.1	.0										176	176	204	43
68/ 67		.4	1.0	.9	1.1	1.0	1.3	.7	.2	.1											165	165	203	96
66/ 65		.5	.8	1.2	1.3	1.2	1.0	.7	.2	.0											176	176	195	141
64/ 63	.1	.8	1.2	.8	.9	1.2	.5	.5	.1												160	160	195	193
62/ 61		.8	.8	1.0	.9	.7	.7	.3													133	133	201	212
60/ 59	.0	1.2	.8	.8	1.1	1.2	.5	.2													146	146	198	152
58/ 57	.1	.6	.5	1.0	.6	.8	.7	.2													114	114	232	164
56/ 55		.9	1.0	.5	.4	.6	.1	.1													88	88	193	172
54/ 53	.0	.8	.8	.3	.6	.6	.0														77	77	162	155
52/ 51	.1	.6	.6	.3	.4	.2	.1														62	62	158	149
50/ 49		.0	.5	.2	.4	.0	.0														44	44	122	174
48/ 47		.6	.4	.1	.2	.1															37	37	92	143
46/ 45	.1	.3	.1	.2	.0	.1															20	20	86	154
44/ 43	.0	.1	.2	.1	.1	.1															14	14	43	107
42/ 41		.1	.1	.0																	5	5	25	91
40/ 39		.1	.0	.0																	5	5	19	101
38/ 37																						10		52
36/ 35																						6		67
34/ 33																						1		31
32/ 31																								33
30/ 29																								14
28/ 27																								5
26/ 25																								3
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_X$		No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

13947  
STATIC

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72

MAY  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

0-26.5 (OLA)

USAFETAC

## PSYCHROMETRIC SUMMARY

13947

FORT RILEY KANSAS/MARSHALL AAF

39-45, 47-50, 56-72

MAY

MONTH

PAGE 1

1200-1400

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

MAY  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA) JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

## 4

MAY  
MONTH

STATION

STATION NAME

YEARS

MONTH

1500-1700

HOURS (L, S, T.)

USAFETAC FORM 0-26.5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

MAY  
MONTH

1500-1700  
HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



4

## PSYCHROMETRIC SUMMARY

MAY  
MONTH

1800-2000  
HOURS (L, S, T)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
KIL 44





## PSYCHROMETRIC SUMMARY

JUN  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

JUN  
MONTH  
0600-0800  
HOURS (L. S. T.)

[illegible]

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

13947  
STATIONPORT RILEY KANSAS/MARSHALL AFB  
STATION NAME39-45, 47-49, 56-72  
YEARSJUN  
MONTHPAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																	
102/101																																	1	1			
100/ 99																																	2	2			
98/ 97																																	2	2			
96/ 95																																	10	10			
94/ 93																																	14	14			
92/ 91																																	27	27			
90/ 89																																	71	71			
88/ 87																																	91	91			
86/ 85																																	136	136	1	1	
84/ 83																																	181	181	2		
82/ 81																																	187	187	6	3	
80/ 79																																	228	228	10	4	
78/ 77																																	200	200	43	5	
76/ 75																																	214	214	151	14	
74/ 73																																	194	194	240	46	
72/ 71																																	155	155	289	127	
70/ 69																																	139	139	369	252	
68/ 67																																	106	106	299	305	
66/ 65																																	84	84	217	317	
64/ 63																																	65	65	165	271	
62/ 61																																	57	57	143	202	
60/ 59																																	44	44	114	151	
58/ 57																																	21	21	76	142	
56/ 55																																	14	14	49	114	
54/ 53																																	8	8	45	85	
52/ 51																																	2	2	20	82	
50/ 49																																			9	52	
48/ 47																																			4	26	
46/ 45																																			1	28	
44/ 43																																				14	
42/ 41																																				4	
40/ 39																																				2	
38/ 37																																				1	
36/ 35																																				5	
Element (X)	Σ X <sup>2</sup>		Σ X		X		X <sup>2</sup>		No. Obs.		Mean No. of Hours with Temperature																										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																				
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

## PSYCHROMETRIC SUMMARY

**YEARS**

0900-1100  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
104/103															.0	.1	.0	4	4			
102/101														.0	.1	.0	.1	6	6			
100/99														.2	.1	.1		9	9			
98/97					.1						.1	.2	.2	.1				15	16			
96/95						.0	.1		.0	.4	1.0	.7	.4	.1	.0		.0	62	62			
94/93			.0			.1	.1	.2	.8	.9	.6	.3	.4	.0				78	78			
92/91						.1	.4	.5	1.6	1.5	.6	.5	.2	.1				123	123			
90/89			.1	.1	.1	.2	1.2	1.8	1.5	.8	.4	.3	.5	.0				159	159	3		
88/87						.4	1.7	2.4	2.1	1.0	.5	.3	.1					168	188	2	3	
86/85				.1	.2	1.2	2.4	2.6	2.1	.5	.4	.2						219	219	2	2	
84/83				.0	.6	1.6	2.5	2.0	1.1	.7	.3	.1						199	201	7	1	
82/81		.0	.0	.3	1.6	2.6	2.6	1.0	.6	.8	.2	.1						223	223	7	5	
80/79			.1	.3	1.7	2.0	1.5	1.2	1.2	.0	.1							187	182	31	6	
78/77		.1	.1	.8	2.4	1.2	.9	1.5	.5	.2	.0							175	175	114	8	
75/75		.1	.3	.5	.7	.5	.5	.5	.4	.2								154	154	242	30	
74/73		.0	.5	1.3	.7	.6	.6	.7	.2									107	107	306	60	
72/71		.0	.4	.8	.9	.3	.7	.2	.0	.0								70	70	354	139	
70/69		.5	.5	.6	.3	.4	.5	.1	.3	.1								74	74	318	268	
68/67	.0	.3	.4	.3	.4	.4	.2	.1	.0									50	50	192	292	
66/65	.0	.4	.7	.6	.5	.2	.3											62	62	192	293	
64/63		.1	.3	.3	.4	.3	.0											32	32	153	251	
62/61		.4	.4	.1	.3	.0												27	27	82	189	
60/59		.2	.3	.0	.0													14	14	96	138	
58/57		.1	.1	.0	.0													8	8	57	116	
56/55		.3	.2	.0														11	11	30	129	
54/53		.1																2	2	41	105	
52/51																				8	68	
50/49																					57	
48/47																					26	
46/45																					24	
44/43																					12	
42/41																					5	
40/39																					4	
38/37																					2	
Element (X)	Σx'			Σx			x̄			σ <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature						
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																						
Wet Bulb																						
Dew Point																						

## PSYCHROMETRIC SUMMARY

JUN  
MONTH

PAGE 2 1200-1400  
HOURS (I - S - T -)

[illegible]

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF

39-43, 47-49, 56-72

JUN  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
104/103														.0		.0	.1	4	4					
102/101													.0	.1	.1	.1	.0	10	10					
100/99												.1	.2	.1		.1		11	11					
98/97									.1	.1	.2	.2	.5	.3	.0		.1	32	32					
96/95						.0	.1	.1	.3	.5	.0	.5	.5	.3	.1			70	70					
94/93			.0			.0	.1	.2	.9	1.4	.8	.2	.5	.1	.0			96	96					
92/91					.1	.1	.3	.8	.8	1.3	.5	.3	.4	.3				109	109					
90/89				.0	.1	.5	1.0	1.8	1.9	1.4	.7	.3	.3	.1				176	176	1	1			
88/87				.1	.1	.7	1.1	2.7	2.6	1.2	.7	.4	.3					217	217					
86/85			.0		.1	1.2	2.5	3.1	1.8	1.0	.7	.4	.0					238	238	1				
84/83				.2	.5	1.8	2.4	2.1	1.6	.8	.4	.0						213	213	8				
82/81			.0	.2	1.0	1.8	2.3	1.5	.8	.9	.3	.1						197	200	16	7			
80/79				.6	1.6	1.1	1.6	1.1	1.2	.2	.1	.0						171	171	44	9			
78/77		.1	.2	.6	1.5	1.5	1.1	1.3	.3	.5								152	152	115	13			
76/75		.1	.3	.6	.5	.3	1.0	.3	.5									106	106	129	24			
74/73			.6	.8	.5	.4	.6	.6	.2									84	84	303	75			
72/71		.2	.5	.6	.4	.4	.4	.3	.1	.1	.0							66	66	349	126			
70/69	.0	.2	.6	.4	.4	.6	.5	.0	.4									69	69	290	260			
68/67	.0	.2	.8	.3	.3	.3	.3	.3										52	52	217	255			
66/65	.0	.4	.5	.3	.1	.2	.2											40	40	199	284			
64/63	.0	.4	.4	.1	.1	.2												28	28	140	229			
62/61		.4	.5	.2		.0												24	24	97	194			
60/59		.2	.1	.0														7	7	80	133			
58/57		.5	.2															15	15	37	135			
56/55			.0															1	1	37	138			
54/53		.1																3	3	27	108			
52/51																				1	63			
50/49																					54			
48/47																					26			
46/45																					24			
44/43																					10			
42/41																					3			
40/39																					6			
38/37																					3			
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ			
Rel Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

1500-1700  
HOURS (L. S. T.)

[illegible]

USA/ETAC  
FORM  
0-26.5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE CANCELLED

## PSYCHROMETRIC SUMMARY

**YEARS**

PAGE 1

1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
100/ 99													.0	.0	.0			3	3					
96/ 97												.0		.0				2	2					
96/ 95												.1	.0	.0				5	5					
94/ 93							.0	.1		.2	.1	.3	.1	.0				13	13					
92/ 91						.0	.1	.3	.3	.3	.2	.3	.1					35	35					
90/ 89				.0	.1	.3	.3	.9	.7	.6	.2	.1	.0					72	72					
88/ 87				.1	.3	.2	1.2	1.4	1.0	.4	.1	.2	.0					103	103					
86/ 85			.1	.2	.3	1.3	1.6	1.6	.7	.6	.3	.0	.0					145	145					
84/ 83			.2	.4	1.0	2.2	2.3	1.6	1.0	.5	.2	.1						204	204	2				
82/ 81		.0	.0	.6	1.6	2.6	1.7	1.1	.9	.4	.1		.0					191	191	10	4			
80/ 79		.0	.3	1.1	2.6	3.1	1.8	.8	.6	.2	.1							223	224	29	8			
78/ 77	.0	.0	.7	1.7	2.7	1.9	1.3	.6	.3	.1	.0							198	198	52	19			
76/ 75		.4	1.4	2.1	2.7	1.4	1.1	.7	.1	.0								209	209	144	27			
74/ 73		.3	1.4	1.8	1.2	1.0	1.0	.5	.1									158	159	252	63			
72/ 71		.6	.6	1.6	1.1	1.0	.8	.3										129	129	325	157			
70/ 69	.2	.7	.8	1.0	.7	.8	.4	.0	.1									102	102	321	202			
68/ 67	.1	.5	1.0	.5	1.0	.5	.2	.2										92	92	246	297			
66/ 65		.7	1.0	.8	.4	.1	.2											66	66	202	267			
64/ 63		.8	.6	.5	.6	.1	.0											57	57	146	228			
62/ 61	.1	.7	.6	.4	.1	.1	.0											43	43	146	183			
60/ 59	.0	.5	.3	.0	.1													21	21	94	147			
58/ 57		.3	.0	.0														9	9	72	139			
56/ 55		.2	.1	.1														11	11	35	105			
54/ 53		.1	.0															3	3	26	100			
52/ 51																				10	67			
50/ 49																					39			
48/ 47																					17			
46/ 45																					17			
44/ 43																					4			
42/ 41																					8			
40/ 39																					1			
TOTAL	.5	6.2	9.3	13.3	16.6	19.8	14.3	10.2	5.9	3.4	1.4	1.3	.5	.2	.0			2099	2101	2099				
Element (X)	Σx'			Σx		Σ	Σx	No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.	9028110			134112		63.9	14.795	2099		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	12713110			162598		77.4	7.854	2101				81.0	67.2	38.6	1.2	90								
Wet Bulb	9814035			143017		68.1	5.754	2099				58.7	20.4	1.1		90								
Dew Point	8531916			133054		63.4	6.825	2099				33.3	5.2	.3		90								



## PSYCHROMETRIC SUMMARY

JUN  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
90/ 89								.1			.0							3	3					
88/ 87							.0		.1	.2	.0							8	8					
86/ 85					.0	.2	.4	.6	.4	.0	.1	.0		.0				40	40					
84/ 83			.1	.4	.4	.7	.8	.2	.1	.0								62	62					
82/ 81		.0	.4	1.0	.8	1.0	.7	.4	.3	.1								102	102					
80/ 79		.0	.5	1.8	2.1	1.0	.6	.1	.0	.2								138	138					
78/ 77		.0	.8	1.9	2.6	1.3	.4	.1	.3	.1								163	163	28				
76/ 75		.5	1.3	2.1	2.5	1.3	.3	.1	.1									193	193	62				
74/ 73	.0	1.1	2.7	3.2	1.7	1.0	.4											216	216	134				
72/ 71	.1	2.3	2.5	2.7	1.9	.6	.1	.0										219	219	205				
70/ 69	.4	1.4	3.4	2.6	1.4	.9	.1	.1										220	220	299				
68/ 67	.6	2.1	3.2	1.9	1.1	.3	.1											197	197	279				
66/ 65	.5	2.4	3.1	1.4	.8	.1												155	155	262				
64/ 63	.2	2.1	1.7	1.0	.7													121	121	246				
62/ 61	.0	2.5	1.4	.9	.0													106	106	161				
60/ 59	.1	1.5	1.0	.6	.2	.1												75	75	170				
58/ 57		1.2	.7	.3	.1													47	47	102				
56/ 55	.1	.5	.6	.3	.1													33	33	82				
54/ 53		.3	.2	.1														14	14	34				
52/ 51		.2	.1															7	7	32				
50/ 49																				12				
48/ 47		.0																1	1	4				
46/ 45	.0																	1	1	1				
44/ 43																								
42/ 41																								
40/ 39																								
TOTAL	2.2	18.2	22.8	23.3	16.6	8.9	4.3	1.7	1.0	.7	.1		.0					2121	2121	2121				
Element (X)	Σ x²		Σ x		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature															
Rel. Hum.	12579000		161056		75.9	12.8	2121		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	10826678		150748		71.1	7.2	2121				66.2	39.3	12.3		90									
Wet Bulb	9200316		139134		65.6	5.8	2121				43.1	9.8	.1		90									
Dew Point	8414353		132899		62.7	6.4	2121				26.8	3.4	.0		90									

## PSYCHROMETRIC SUMMARY

JUL  
MONTH

0000-0200  
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF

39-45, 48-49, 56-72

JUL  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87							.0				.0	.1						4	4		
86/ 85							.0	.2		.1	.1							9	9		
84/ 83					.1	.2	.4	.3	.1	.2								30	30		
82/ 81			.0	.3	.8	.8	.8	.4	.1	.0								74	74		
80/ 79		.0	.2	1.1	1.9	.9	.9	.4	.4	.0								133	133		
78/ 77		.1	1.4	2.5	2.0	.9	.9	.3	.2									189	139		1
76/ 75		.6	2.5	3.1	2.4	1.2	.6	.2										242	242	24	5
74/ 73	.2	1.4	3.1	2.5	1.1	.5	.4											207	207	126	35
72/ 71	.1	3.4	2.7	2.7	1.1	.3	.2											236	236	254	112
70/ 69	.8	4.1	3.2	2.7	.5	.5	.3	.1	.0									319	319	362	272
68/ 67	1.2	4.4	2.8	1.1	.6	.4												235	235	367	322
66/ 65	.7	3.9	2.6	.6	.2	.1	.1											184	184	330	323
64/ 63	.7	2.8	1.1	.7	.2	.1	.0											124	124	270	323
62/ 61	.6	1.8	.8	.4	.0													69	69	170	250
60/ 59	.3	2.0	1.0	.6														87	87	105	177
58/ 57	.0	.9	.5	.1														35	35	91	124
56/ 55	.1	.7	.3	.1	.0													28	28	59	98
54/ 53	.1	.2	.3															14	14	35	85
52/ 51	.0	.3																8	8	17	41
50/ 49		.4	.2															14	14	16	33
48/ 47		.1	.0															3	3	8	24
46/ 45		.0																1	1	6	7
44/ 43		.0																1	1	2	11
42/ 41																					3
TOTAL	4.5	27.3	24.7	18.6	11.1	6.0	4.7	1.6	.9	.4	.1	.1						2246	2246	2246	2246

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OLA)

JUL 64

USAFETAC

4

## PSYCHROMETRIC SUMMARY

JUL

STATION

STATION NAME

**YEARS**

MONTH

0600-0800

HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL-A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF

39-49,56-72

YEARS

JUL  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
106/105																	.0			1	1			
104/103																	.0			1	1			
102/101												.0		.1	.1					6	6			
100/ 99											.1	.2	.2	.2	.1					21	21			
98/ 97									.0	.1	.1	.3	.3	.4	.3					38	38			
96/ 95									.0	.0	.3	.5	.9	.4						55	55			
94/ 93					.0	.0	.1	.2	.9	1.0	.9	.4	.1							88	88			
92/ 91					.1	.3	.4	1.4	1.0	.6	.2	.1	.0							100	100			
90/ 89					.0	.2	1.0	2.4	2.0	1.1	.4	.1								180	180			
88/ 87					.2	.7	2.6	2.2	1.5	.7	.4	.0		.0						213	213			
86/ 85				.1	.6	1.8	2.8	2.3	.7	.8	.1		.0							228	228	1		
84/ 83				.1	1.4	2.5	2.6	1.6	1.0	.6	.1	.1								244	244	2	1	
82/ 81		.0	.1	.6	2.4	2.7	2.1	1.6	.7	.2	.1	.0								259	258	10	1	
80/ 79		.0	.1	1.1	1.8	2.4	1.2	1.6	.6	.1										221	221	39	4	
78/ 77		.1	.8	1.9	1.9	1.5	1.3	1.2	.3	.1										226	226	160	14	
76/ 75		.2	1.5	1.5	1.9	1.4	.8	.6	.2	.0										203	203	366	35	
74/ 73	.1	.6	1.0	1.2	.9	.8	.4	.2	.1											152	152	446	136	
72/ 71		.4	.8	.7	.6	.4	.4	.1	.0	.0										87	87	405	288	
70/ 69	.0	.6	.6	.4	.2	.3	.1	.2												59	59	341	387	
68/ 67	.1	.7	.2	.1	.1	.3														35	35	256	375	
66/ 65		.2	.2	.1	.4	.1	.1													25	25	192	328	
64/ 63			.0	.1	.2															8	8	104	258	
62/ 61		.1	.1	.0																7	7	60	175	
60/ 59		.2																		4	4	39	153	
58/ 57																						28	109	
56/ 55																					12	75		
54/ 53																					1	48		
52/ 51																						32		
50/ 49																						22		
48/ 47																						8		
46/ 45																						9		
44/ 43																						1		
40/ 39																						1		
38/ 37																						1		
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

YEARS

0900-1100  
HOURS (L. S. T.)

[illegible]

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

13947  
STATIONFIPT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-49,56-72

YEARS

JUL  
MONTH

PAGE 1

1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
110/109																	.1	3	3						
108/107																	.2	8	8						
106/105															.2	.1	.5	23	23						
104/103									.0			.1	.4	.2	.4	.6	.1	45	45						
102/101									.0		.1	.3	.5	.2	.8	.2		57	57						
100/ 99									.0	.1	.4	.8	.9	1.3	.4		.0	96	96						
98/ 97										.3	.7	1.5	1.1	.6	.1			105	105						
96/ 95							.2	.3	.6	1.2	1.6	1.3	.7	.1	.0			151	151						
94/ 93							.0	.6	2.0	2.0	1.5	1.0	.5	.2				194	194						
92/ 91						.0	.7	1.3	2.6	1.7	1.3	.5	.3		.0			210	210						
90/ 89					.1	.4	1.8	2.8	2.0	1.6	1.4	.5	.2	.2				270	270						
88/ 87				.0	.0	.6	1.6	2.0	1.7	1.0	.6	.5	.2					202	202						
86/ 85			.0	.0	.2	1.1	1.9	1.8	1.1	1.5	.7	.2	.1					215	215	3					
84/ 83		.0	.1	.7	1.8	2.0	1.7	1.1	.8	.3	.1							211	211	6					
82/ 81		.0	.0	.2	1.2	1.4	1.6	1.5	.9	.6	.2							195	195	21	5				
80/ 79		.0	.3	.9	.9	1.0	.9	.8	1.1	.5	.1							164	164	134	8				
78/ 77		.0	.4	.8	.7	.7	.7	.5	.4	.2	.0							107	107	286	13				
76/ 75		.1	.7	.8	.4	.4	.4	.2	.1	.0	.0							81	81	446	63				
74/ 73		.2	.4	.1	.1	.2	.4	.1	.1									40	40	455	138				
72/ 71		.1	.1	.2	.0	.2	.2	.3	.0									24	24	348	286				
70/ 69		.1	.3	.2	.1	.2	.1											25	25	260	340				
68/ 67		.2	.2	.0	.1	.0												15	15	187	333				
66/ 65	.0	.0		.0	.2													7	7	134	269				
64/ 63		.1	.1															5	5	82	270				
62/ 61	.0	.2																5	5	45	190				
60/ 59																				29	164				
58/ 57																				16	122				
56/ 55																				1	85				
54/ 53																					68				
52/ 51																					38				
50/ 49																					40				
48/ 47																					10				
46/ 45																					7				
44/ 43																					2				
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OLA) JUL 64  
REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

JUL  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM  
JUL 64  
0-26.5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

YEARS

JUL  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26.5 (01 A)

USAFETAC







## PSYCHROMETRIC SUMMARY

JUL  
MONTH

HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**AUG**

STATION

STATION NAME

YEARS

**MONTH**

0069-0200

HOURS (L - S - T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
92/ 91												.0						1	1																
90/ 89									.0		.0	.0						2	2																
88/ 87								.1	.3	.4	.1	.0						21	21																
86/ 85						.1	.5	.6	.4	.2	.1	.0		.0				51	51																
84/ 83					.4	.7	.6	1.0	.7	.1	.0	.1	.0					85	85																
82/ 81			.0	.4	.9	1.4	.8	.5	.3	.3	.1							105	105																
80/ 79			.2	1.6	2.1	1.7	1.1	.5	.4	.3								177	177																
78/ 77			.9	2.8	2.4	1.0	.8	.6	.1									194	194	2															
76/ 75		.4	3.0	2.4	1.2	1.1	.4	.2	.0									201	201	37	3														
74/ 73	.1	2.1	2.0	1.0	1.1	1.1	.7	.1										216	216	163	33														
72/ 71	.1	3.4	2.7	2.1	1.7	1.1	.5											266	266	331	144														
70/ 69	.8	4.2	2.2	1.0	1.0	.8	.3											236	236	374	316														
68/ 67	.5	2.7	2.2	1.4	1.0	.4	.2											190	190	307	299														
66/ 65	.2	1.7	2.1	1.0	.5	.3	.0											137	137	247	266														
64/ 63	.2	1.8	1.6	.9	.6	.1												118	118	194	221														
62/ 61	.2	2.7	1.4	.8	.1	.1												122	122	210	211														
60/ 59	.0	1.1	.6	.6	.1													55	55	154	217														
58/ 57	.2	.7	.5	.4														40	40	108	161														
56/ 55	.2	.9	.2	.1														23	23	60	146														
54/ 53	.0	.4	.4															17	17	39	93														
52/ 51	.0	.2	.2															11	11	29	82														
50/ 49		.0	.0															2	2	12	38														
48/ 47			.0															1	1	3	21														
46/ 45																				1	13														
44/ 43																					6														
42/ 41																					1														
TOTAL	3.0	22.0	20.8	17.3	12.9	9.9	6.1	3.6	2.2	1.2	.4	.3	.0	.0				2271	2271	2271	2271														







4

**YEARS**

AUG  
MONTH

STATION

STATION NAME

**YEARS**

**MONTH**

0900-1100

HOURS (L, S, T.)













## PSYCHROMETRIC SUMMARY

AUG  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

US FETAC FORM 0.26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

0000-0200  
HOURS (L. S. T.)



(  
4

## (

SEP

STATION

STATION NAME

YEARS

MONTH

0600-0800

HOURS (L - S - T)

0.26-5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**JSAFETAC**

## PSYCHROMETRIC SUMMARY

SFP

**YEARS**

**MONTH**

0600-0800  
HOURS (L. S. T.)

[illegible]

4

## (

SEP

STATION

STATION NAME

**YEARS**

MONTH

HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

13947	FORT RILEY KANSAS/MARSHALL AAF	28-49,56-72
STATION	STATION NAME	

SEP  
MONTH

PAGE 2      0700-1100  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

1200-1400  
HOURS (L. S. T.)

[illegible]









## PSYCHROMETRIC SUMMARY

SEP  
MONTH

PAGE 2      1800-2000  
HOURS (L. S. T.)

[illegible]











DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

13947	FORT RILEY KANSAS/MARSHALL AAF	39-45, 47-49, 56-72
STATION	STATION NAME	

OCT  
MONTH

PAGE 1 030C-0500  
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 38-49,56-72 OCT  
STATION STATION NAME YEARS MONTH  
PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
78/ 77					.0			.0	.0									3	3							
76/ 75			.0		.1	.1	.2	.0										10	10							
74/ 73			.2	.3	.2	.1	.2	.2	.0									31	31							
72/ 71		.0	.3	.3	.1	.1	.1	.1	.1									33	33	2						
70/ 69		.2	.7	.4	.2	.2	.2	.2	.0									54	54	11	3					
68/ 67		.5	.5	.5	.3	.3	.2	.2										62	62	26	11					
66/ 65		.1	1.0	.8	.5	.3	.2	.2	.1	.0								82	82	49	34					
64/ 63	.3	.9	1.0	.6	.4	.4	.3	.1	.0									102	102	57	34					
62/ 61	.4	1.2	1.6	.9	.5	.3	.1	.2										134	134	86	53					
60/ 59	.7	1.4	.9	.6	.8	.4	.1	.1	.0									135	135	120	92					
58/ 57	.5	2.4	1.1	1.2	.8	.2	.1											159	159	155	99					
56/ 55	.6	1.5	1.6	1.2	.8	.5												158	158	130	154					
54/ 53	.3	1.8	1.7	1.2	.4	.5	.1											158	159	145	103					
52/ 51	.4	1.8	2.3	1.5	.3	.4	.0											175	175	173	115					
50/ 49	.4	2.2	1.6	1.1	.5	.0	.0											151	152	171	139					
48/ 47	.4	2.3	1.9	.6	.4	.2												150	150	182	155					
46/ 45	.6	2.8	1.1	1.5	.2	.0												167	167	202	175					
44/ 43	.7	2.6	1.6	.7	.2		.0											149	150	184	183					
42/ 41	.9	2.1	1.6	.5	.0		.0											140	141	158	195					
40/ 39	1.0	2.2	1.4	.2	.0	.0												124	125	174	169					
38/ 37	.9	2.0	.9	.6														106	106	142	141					
36/ 35	.6	1.6	.7	.1														81	81	112	164					
34/ 33	.4	1.3	.3	.0														50	51	72	129					
32/ 31	.4	1.3	.3	.0														51	51	79	113					
30/ 29	.4	.9	.1															34	34	44	103					
28/ 27	.3	.8	.1															29	29	40	61					
26/ 25	.2	.1	.1															10	10	18	54					
24/ 23	.2	.1																7	7	9	32					
22/ 21	.0	.1																3	3	6	14					
20/ 19																				1	8					
18/ 17																					7					
16/ 15																					5					
14/ 13																					1					
12/ 11																					2					
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																										
Dry Bulb																										
Wet Bulb																										
Dew Point																										
																							</			

USAFETAC FORM 0-26-5 (OL A) REVISI PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49, 56-72

YEARS

OCT  
MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

[illegible]

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AFB

38-49,56-72

YEARS

MOI  
MONTH

PAGE 1 0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
90/ 89											.0	.0	.0	.1					5	5				
88/ 87										.0	.0		.1	.0				5	5					
86/ 85								.0	.1	.0	.2	.0	.1					11	11					
84/ 83							.1	.1	.1	.1	.2	.1	.1					12	18					
82/ 81					.0	.0	.2	.2	.3	.3	.2	.1						35	35					
80/ 79				.0	.1	.2	.3	.5	.6	.2	.2	.2						56	56					
78/ 77			.0	.1	.3	.5	.7	.3	.7	.3	.2	.1	.1					84	84					
76/ 75			.1	.2	.4	.3	.7	1.0	.5	.3	.1	.0						96	96					
74/ 73			.3	.4	.7	.6	.3	.6	.7	.3	.2	.0						107	107	3				
72/ 71		.0	.3	.7	.7	.8	1.0	.6	.5	.2	.1	.1						133	133	18				
70/ 69		.1	.5	.7	1.0	.6	.9	1.0	.5	.3	.1							145	145	45				
68/ 67		.0	.5	.7	.9	1.0	1.5	.9	.3	.2								153	153	79				
66/ 65	.0	.2	.7	1.0	.8	1.0	1.3	.7	.4	.1	.0							164	164	98				
64/ 63	.1	.5	.8	.7	1.0	1.1	.7	.8	.1									144	144	140				
62/ 61	.1	.8	.7	.7	1.1	1.2	1.1	.5	.3	.0								167	167	172				
60/ 59	.1	1.2	.8	1.0	1.3	1.0	.8	.6	.2									184	184	198				
58/ 57	.2	.8	.7	1.2	1.7	.7	1.3	.3	.0									179	179	192				
56/ 55	.3	.9	.6	1.2	1.1	1.0	.5	.2										150	150	210				
54/ 53	.1	1.0	1.0	1.2	.9	.8	.5											143	143	203				
52/ 51	.2	.6	1.3	1.1	1.5	.8	.1											148	148	200				
50/ 49	.1	1.0	.8	.9	1.3	.7	.1											121	121	202				
48/ 47	.2	.7	.8	1.0	1.1	.4												107	107	180				
46/ 45	.0	.5	.7	1.0	.4	.1												72	72	167				
44/ 43		.3	.8	.8	.3	.0												57	57	141				
42/ 41		.5	.6	.4	.1	.0												43	43	124				
40/ 39		.2	.6	.3	.1													31	31	92				
38/ 37		.1	.2	.2														12	12	57				
36/ 35		.1	.2	.2														11	11	27				
34/ 33	.1	.1	.2	.0														10	10	21				
32/ 31		.1	.0															4	4	13				
30/ 29		.1																3	3	9				
28/ 27																				4				
26/ 25																								
24/ 23																								
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature												Total	
Rel. Hum.											≤ 0 F		≤ 32 F		≤ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 0-26-5 (OL A) JUL 64

USAFETAC

## PSYCHROMETRIC SUMMARY

**YEARS**

PAGE 2

0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
22/ 21																						12		
20/ 19																						6		
18/ 17																						2		
16/ 15																						1		
14/ 13																						1		
TOTAL	1.5	10.1	11.3	015.6	16.7	12.9	11.9	5.3	5.1	2.5	1.3	.7	.3	.1						259d		2598		
																				2593	2598			

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/PAC

## PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF

38-49,56-72

YEARS

OCT

MONTH

PAGE 1 1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL												
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb	Dew Point											
98/ 97																	.1	2	2													
96/ 95															.1		.1	6	6													
94/ 93													.1		.0	.1	.0	7	7													
92/ 91										.0	.0	.2	.1	.3	.2	.1		23	23													
90/ 89								.0	.1	.0	.1	.3	.1	.3	.0			26	26													
88/ 87								.1	.3	.2	.2	.3	.5	.2	.1			51	51													
86/ 85						.0	.1	.2	.2	.5	.9	.6	.3					73	73													
84/ 83						.1	.3	.4	.6	.5	.6	.3	.3	.2	.0			84	84													
82/ 81					.1	.2	.3	.9	.7	1.0	.9	.5	.2	.1				122	122													
80/ 79				.1	.2	.4	.6	.9	1.0	.8	.6	.4	.2					136	136													
78/ 77				.1	.2	.7	.9	.7	1.4	.9	.9	.5	.0	.0				164	164													
76/ 75			.1	.1	.2	.6	.8	1.0	1.0	1.2	.9	.4	.0					163	153	3												
74/ 73			.1	.1	.6	.6	.6	1.0	.9	1.4	.8	.2						163	163	18												
72/ 71		.1	.1	.3	.4	.8	.7	1.1	1.1	1.1	.5	.0						162	162	42	5											
70/ 69		.1	.2	.4	.8	.5	.7	1.2	1.0	.9	.3							159	159	84	16											
68/ 67		.0	.3	.4	.5	.5	1.2	1.1	.9	.8	.1							148	148	120	29											
66/ 65		.2	.4	.3	.3	.7	.6	.9	1.0	.4	.0	.0						129	129	174	33											
64/ 63		.5	.4	.2	.3	.6	.7	1.0	.6	.3	.1							124	124	223	75											
62/ 61	.0	.4	.3	.4	.7	.9	.8	1.2	.8	.0								142	142	210	94											
60/ 59	.2	.4	.2	.4	.5	.9	1.2	.8	.2	.1								129	129	187	104											
58/ 57	.0	.6	.8	.3	.7	.8	.9	.5	.1									122	122	197	133											
56/ 55	.0	.6	.4	.5	.4	.7	.9	.6										105	105	237	130											
54/ 53	.0	.2	.8	.3	.4	.8	.8	.1										89	89	195	150											
52/ 51	.0	.5	.3	.1	.5	.7	.3											64	64	173	158											
50/ 49	.2	.6	.0	.3	.5	.7	.1											63	63	191	173											
48/ 47	.1	.3	.2	.2	.4	.3	.1											44	44	145	168											
46/ 45	.0	.3	.3	.2	.3	.0												31	31	113	157											
44/ 43	.0	.1	.2	.2	.2	.1												22	22	102	170											
42/ 41	.1	.2	.0	.1		.0												13	13	71	127											
40/ 39		.2	.1	.1														9	9	50	146											
38/ 37			.0		.1													3	3	25	136											
36/ 35				.0	.0													2	2	10	133											
34/ 33	.1	.0	.0															4	4	9	98											
32/ 31	.1	.0																3	3	2	102											
Element (X)	$\Sigma X^2$			$\Sigma X$			$\bar{X}$			$\sigma_x$			No. Obs.			Mean No. of Hours with Temperature						Total										
Rel. Hum.													≤ 0 F			≤ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total	
Dry Bulb																																
Wet Bulb																																
Dew Point																																

FORM 0-26.5 (OL A) JUL 64

USAFETAC

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

## YEARS

Oct  
MONTH

1200-1400

HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

13947      FORT RILEY KANSAS/MARSHALL AAF      38-49,56-72  
STATION      STATION NAME

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

OCT  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

OCT  
MONTH

1800-2000  
HOURS (L. S. T.)

[illegible]

4

## PSYCHROMETRIC SUMMARY

OCT  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OI A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

## PSYCHROMETRIC SUMMARY

13947  
STATION

FUPT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-70, 72  
YEA

MONTH

PAGE 1

2100-2300  
HOURS (L. S. T.)

USAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

## PSYCHROMETRIC SUMMARY

12947  
STATION

FORT KILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-70, 72 YEARS

067  
MONTH

PAGE 2 2100-2300

USAFETAC  
FORM  
JUL 64  
0-26.5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF

39-45, 47-49, 56-70

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
72/ 71					.1													2	2						
70/ 69						.0												1	1						
68/ 67			.1	.0	.1	.0												3	3						
66/ 65		.0	.4	.1	.3													20	20						
64/ 63		.3	.8	.1	.1	.0	.0	.1		.0								34	34	10					
62/ 61		.1	.4	.4	.0	.1	.2	.0										32	32	24	11				
60/ 59		.3	.3	.1	.2	.2	.1	.0	.0									28	28	24	18				
58/ 57		.2	.4	.1	.1	.4		.1										30	30	23	22				
56/ 55		.5	.4	.3	.4	.2	.2											44	44	22	17				
54/ 53		.4	.7	.2	.6	.4	.0	.0										50	50	29	27				
52/ 51	.1	.7	.7	.4	.5	.2	.1											61	61	32	28				
50/ 49	.3	1.0	.8	.7	.9	.3												101	101	65	33				
48/ 47	.1	1.5	.8	1.0	.4	.3												94	94	84	46				
46/ 45	.4	1.8	1.1	1.1	.4	.2												112	112	89	75				
44/ 43	.8	1.4	1.6	1.4	.5	.1												131	131	131	72				
42/ 41	.7	1.7	2.0	1.7	.3													146	146	114	81				
40/ 39	.4	2.4	2.5	1.2	.3													150	150	134	91				
38/ 37	.8	3.2	2.6	.7														162	162	182	117				
36/ 35	.5	4.2	2.9	.7	.0	.1												191	191	198	132				
34/ 33	.7	3.7	2.7	.7	.0													175	175	195	171				
32/ 31	.6	3.6	1.9	.9	.0													144	144	185	197				
30/ 29	.8	4.6	1.0	.2														146	146	167	204				
28/ 27	1.0	3.0	.8	.1														110	110	176	143				
26/ 25	1.1	2.6	.5	.1														97	97	116	185				
24/ 23	.4	2.0	.3															58	58	75	145				
22/ 21	.4	1.0	.1	.1														38	40	66	131				
20/ 19	.4	.6	.0															23	23	34	81				
18/ 17	.4	.4	.0															18	18	23	63				
16/ 15	.2	.2																9	9	13	51				
14/ 13	.1	.4																12	12	9	24				
12/ 11		.3																7	7	8	22				
10/ 9		.1																2	2	7	9				
8/ 7	.0	.2																6	6	4	10				
6/ 5	.0	.2																5	5	6	11				
Element (X)	Σ x <sup>2</sup>		Σ x		x̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature						Total								
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

NGV  
MONTH

0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
4/ 3		1																1	1	2	5	
2/ 1																				1	10	
0/ -1																					6	
-2/ -3																					1	
-4/ -5																					6	
-6/ -7																					1	
TOTAL	10.243	125.81	11.7	5.4	2.7	.7	.4	.0	.0									2248	2248	2248	2248	
																	</					

USAFETAC FORM 0.26-5 (OLA)

## PSYCHROMETRIC SUMMARY

NOV  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
70/ 69						.1												2	2					
68/ 67		.1	.0	.0	.1	.0												7	7					
66/ 65		.1	.3	.1	.0													12	12	2				
64/ 63		.1	.6	.2				.0										21	21	5				
62/ 61		.2	.1	.3	.2	.1	.1											25	25	14				
60/ 59	.1	.0	.2	.4	.1	.1	.0											35	35	27				
58/ 57	.0	.2	.4	.3	.0	.1												26	26	20				
56/ 55		.6	.4	.3	.4	.0	.1	.0										42	42	23				
54/ 53	.1	.0	.3	.3	.3	.3	.2											45	45	35				
52/ 51	.1	.5	.4	.4	.2	.2	.0											43	43	42				
50/ 49	.3	1.5	.5	.8	.4													67	80	51				
48/ 47	.2	1.0	.8	1.1	.4	.2												81	81	57				
46/ 45	.4	2.0	1.0	1.2	.3	.1												113	113	65				
44/ 43	.7	1.3	1.0	1.0	.4													109	109	126				
42/ 41	.5	1.5	2.5	1.4	.1													134	134	108				
40/ 39	.8	2.3	3.3	.9	.1													167	167	114				
38/ 37	.7	2.1	2.3	.5														125	125	180				
36/ 35	.7	4.5	2.7	.5	.1	.1												196	196	177				
34/ 33	.9	4.0	2.7	.4	.0													184	184	190				
32/ 31	1.0	4.1	2.2	.0														166	166	206				
30/ 29	1.3	3.5	1.3	.2														142	142	176				
28/ 27	1.6	3.4	1.0	.0														136	136	178				
26/ 25	1.2	2.8	.5															102	102	126				
24/ 23	.8	2.7	.4															90	90	102				
22/ 21	.6	1.6	.1															55	55	88				
20/ 19	.8	1.0	.1	.1														43	46	50				
18/ 17	.2	.5	.0															18	18	27				
16/ 15	.4	.4																18	18	22				
14/ 13	.2	.3																10	10	12				
12/ 11	.0	.3																7	7	7				
10/ 9	.0	.3																8	8	8				
8/ 7	.0	.0																2	2	6				
6/ 5	.3	.1																9	9	9				
4/ 3	.1																	3	3	8				
Element (X)	$\Sigma x^2$		$\Sigma x$		$\bar{x}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature													
Ref. Hum.											≤ 67 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								



4

6

NOV  
MONTH

0300-0500  
HOURS (L. S. T.)

USAFETAC  
FORM 0.26-5 (OLA)  
JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



4

## YEARS

Nov  
MONTH

HOURS (L. S. T.)

USAFETAC  
FORM  
MIL-A-100-10  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

NOV  
MONTH

PAGE 1 0700-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
74/ 73					.0	.0	.1		.0									6	6							
72/ 71				.0	.1	.2	.0	.0	.1									12	12							
70/ 69			.1	.2	.2	.1	.1	.1										17	19							
68/ 67			.2	.2	.2	.2	.2	.2										26	26							
66/ 65		.0	.2	.2	.4	.4	.2	.1	.0									38	38	6						
64/ 63		.0	.3	.5	.2	.4	.1	.1										41	41	16	3					
62/ 61			.3	.2	.2	.3	.3	.3	.1									47	43	17	6					
60/ 59		.1	.4	.6	.5	.6	.3	.4										69	69	27	16					
58/ 57	.1	.2	.6	.4	.6	.6	.3	.1										74	75	45	20					
56/ 55	.0	.3	.7	.5	.5	.6	.8	.1										91	92	52	27					
54/ 53	.2	.2	.5	.5	1.0	1.0	.4	.0										98	98	59	47					
52/ 51	.1	1.1	.7	1.2	1.4	.7	.3											142	142	79	36					
50/ 49	.3	1.1	.7	1.0	1.8	1.1	.1											155	155	96	50					
48/ 47		1.0	1.5	1.5	1.8	.7	.2	.0										171	171	114	83					
46/ 45	.3	1.1	1.2	2.3	1.9	.5	.0											176	179	146	86					
44/ 43	.4	1.1	1.7	2.4	.9	.1												170	170	194	82					
42/ 41	.3	1.4	2.8	1.8	.8	.2	.1											191	191	192	102					
40/ 39	.1	1.6	3.0	2.3	.7	.0												197	197	220	137					
38/ 37	.2	1.7	2.3	1.8	.3	.0												161	161	251	120					
36/ 35	.2	2.6	3.0	1.1	.2	.0												178	178	198	169					
34/ 33	.2	2.2	2.1	.4	.1													129	129	209	208					
32/ 31	.2	1.7	1.5	.6	.0													106	106	214	256					
30/ 29	.1	1.6	1.1	.4	.0													82	82	115	258					
28/ 27	.0	.6	.6	.1														39	39	96	186					
26/ 25		.7	.4	.2														32	32	57	158					
24/ 23	.0	.4	.5	.0														26	26	38	122					
22/ 21		.5	.2	.0														19	19	26	96					
20/ 19		.4	.2	.1														16	16	23	52					
18/ 17	.0	.2	.1															8	8	18	44					
16/ 15	.0	.4	.0															12	12	12	44					
14/ 13	.0	.1																3	4	11	33					
12/ 11	.0	.1																3	5	6	25					
10/ 9		.0																1	2	1	18					
8/ 7																					17					
Element (X)	Σ x <sup>2</sup>			Σ x			x̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.													≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																										
Wet Bulb																										
Dew Point																										

4

## PSYCHROMETRIC SUMMARY

N.J.V  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (QLA)



4

## 4

4

4

4

4

4

## PSYCHROMETRIC SUMMARY

N JV  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

YEARS

NET  
MONTH

1500-1700

HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

13947  
STATION

FUPT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-45, 47-49, 56-72

May  
MONTH

PAGE 1

1800-2000  
HOURS (L. S. T.)

[illegible]

4

**YEARS**

NGV  
MONTH

HOURS (L. S. T.)

USAFETAC FORM 0.26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF

39-45, 47-49, 56-72

NJV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
72/ 71				.0	.2	.0												6	6							
70/ 69				.1	.0	.1												5	5							
68/ 67			.1	.1	.1													8	8							
66/ 65		.2	.3	.0	.1		.0	.2	.0									21	21	4						
64/ 63		.1	.7	.2	.3	.1	.2	.1										38	38	12	4					
62/ 61		.1	.1	.2	.2	.1	.2	.1	.0									24	24	23						
60/ 59		.1	.3	.3	.2	.2	.2	.2	.0									34	34	17	19					
58/ 57		.3	.4	.3	.2	.2	.2	.2	.0									30	30	11	16					
56/ 55	.1	.5	.2	.7	.3	.5	.3	.0										61	61	31	16					
54/ 53	.0	.4	.4	.4	.4	.6	.2											57	57	38	22					
52/ 51		.3	1.1	.8	.7	.3	.1											77	77	37	27					
50/ 49	.1	1.3	1.4	1.0	1.0	.5	.0	.0										123	123	65	32					
48/ 47	.0	1.6	1.0	.8	.5	.4	.1											105	105	101	41					
46/ 45	.3	1.6	1.7	1.6	.9	.3												147	147	111	87					
44/ 43	.5	2.1	2.0	1.9	.8													168	168	155	94					
42/ 41	.3	1.4	1.7	1.3	.3	.0												118	118	150	79					
40/ 39	.3	2.3	2.0	1.1	.2	.1												155	155	145	110					
38/ 37	.6	2.8	3.3	1.1	.2	.0												184	184	188	134					
36/ 35	.4	3.3	2.0	1.3		.1												182	182	197	146					
34/ 33	.8	3.7	3.0	.6	.1													190	190	189	154					
32/ 31	.3	3.9	1.4	.3														137	137	205	213					
30/ 29	.3	3.3	1.6	.2														123	123	174	221					
28/ 27	.9	2.4	1.0	.0														99	99	150	163					
26/ 25	.3	2.0	.4	.2														66	66	97	153					
24/ 23	.3	1.3	.3	.0														44	44	71	148					
22/ 21	.2	.7	.3															28	28	43	128					
20/ 19	.1	.6	.1															18	18	25	53					
18/ 17	.2	.5																16	16	24	78					
16/ 15	.1	.3	.0															10	10	15	50					
14/ 13		.2																4	4	6	25					
12/ 11		.3	.0															7	7	7	14					
10/ 9		.1	.0															4	4	3	14					
8/ 7		.1																3	3	6	16					
6/ 5		.0																1	1	1	15					
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																										
Dry Bulb																										
Wet Bulb																										
Dew Point																										

USAFETAC FORM 64 0-26-5 (OL A) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

13947  
STATIO

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

35-45, 47-49, 56-72

N.J.V  
MONTH

PAGE 2 2100-2300

2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
4 / 3																				1	6		
2 / 1																					3		
0 / -1																					5		
-2 / -3																					3		
-4 / -5																					2		
-6 / -7																					2		
-8 / -9																					1		
TOTAL	6.1	37.7	28.5	14.9	6.7	3.0	1.7	.7	.1									2307	2302	2302			
															</								

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

DEC  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point				
64/ 63					.1													2	2						
62/ 61			.2	.1	.0				.0									8	8						
60/ 59		.0	.2	.1														5	0						
58/ 57	.0	.1	.0	.2		.0												7	2	10	1				
56/ 55		.3	.4	.1	.1	.0		.0										22	22	9	5				
54/ 53		.3	.1		.0	.1	.0	.0										14	14	11	11				
52/ 51		.3	.2	.2	.3	.1												20	20	18	6				
50/ 49	.1	.2	.1	.3	.2	.2												25	25	7	20				
48/ 47	.1	.1	.1	.1	.3	.1												27	20	18	12				
46/ 45	.2	.4	.2	.6	.2	.1												33	33	23	17				
44/ 43	.3	.3	.5	.7	.2	.1												47	48	31	15				
42/ 41	.1	.6	.9	1.0	.3	.1												67	67	31	22				
40/ 39	.3	1.0	1.8	.6	.3													96	96	65	21				
38/ 37	.7	2.0	1.8	1.1	.1													128	128	103	42				
36/ 35	.6	2.5	1.6	.4	.1													120	120	117	73				
34/ 33	1.4	3.8	2.1	.7	.0													184	184	185	113				
32/ 31	.7	4.6	1.9	.3	.0													175	175	158	141				
30/ 29	1.2	4.1	2.1	.2														173	173	192	169				
28/ 27	2.1	4.7	1.0	.2														185	185	237	138				
26/ 25	1.7	4.5	1.0	.0														165	165	177	193				
24/ 23	1.6	3.0	.7															134	134	168	182				
22/ 21	1.8	4.1	.5	.0														149	149	140	198				
20/ 19	1.7	3.0	.6	.0														126	120	143	136				
18/ 17	.7	2.2	.2															70	70	84	131				
16/ 15	.8	2.6	.4															87	87	93	103				
14/ 13	.8	1.4																50	50	76	98				
12/ 11	.1	1.4																34	35	35	92				
10/ 9	.7	.9																38	38	46	60				
8/ 7	.4	.9																30	30	34	67				
6/ 5	.7	.3																23	23	28	49				
4/ 3	.3	.1																11	12	13	39				
2/ 1	.3	.4																17	17	13	45				
0/ -1	.3	.1																10	11	14	38				
-2/ -3	.0	.0																2	3	2	9				
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26 5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

DEC  
MONTH

C000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
-4/-5	.4	.0																5	7	6	10												
-6/-7	.1	.0																4	5	3	9												
-8/-9																				1	4												
-10/-11																					9												
-12/-13																					6												
-14/-15																					1												
-16/-17																					1												
-18/-19																					4												
-20/-21																					1												
TOTAL	20.0	50.8	18.6	7.2	2.4	.9	.0	.1	.0										2291		2291												
																			2291		2291												

US..FEAC  
FORM  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF

59-45, 47-49, 56-72

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

G300-0500

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
66/ 65						.0												1	1						
64/ 63						.0												1	1						
62/ 61			.1			.0												4	4						
60/ 59		.1																4	4						
58/ 57		.3	.2		.3													19	19	6	1				
56/ 55	.0	.4	.3															10	10	10	7				
54/ 53		.0	.1	.1	.1	.0												8	8	12	7				
52/ 51		.1	.0	.0	.1	.1	.1											7	9	13	3				
50/ 49		.2	.3	.3	.3		.1											27	27	6	17				
48/ 47	.1	.2	.1	.1	.7	.0												29	29	17	14				
46/ 45	.2	.3	.2	.1	.2	.1												25	25	20	14				
44/ 43	.2	.4	.3	.5	.2													37	37	20	17				
42/ 41	.2	.8	.8	.7	.1													60	60	33	18				
40/ 39	.4	1.1	1.1	.5	.1													75	75	58	22				
38/ 37	.4	1.6	1.7	.6	.0													98	98	82	38				
36/ 35	.3	2.3	1.5	.8	.2													119	119	104	72				
34/ 33	1.2	3.7	2.1	.5														173	173	135	90				
32/ 31	1.0	4.4	1.5	.2														165	165	168	127				
30/ 29	1.3	4.3	1.7	.3														177	177	201	156				
28/ 27	1.9	4.6	1.0															173	173	196	132				
26/ 25	2.0	5.6	1.0	.1														201	201	192	178				
24/ 23	2.1	4.4	.8															167	167	201	192				
22/ 21	1.4	3.6	.8	.0														134	134	154	175				
20/ 19	2.2	3.1	.1															131	131	157	155				
18/ 17	1.7	2.3	.3															100	100	125	159				
16/ 15	1.0	2.1	.0															71	71	67	131				
14/ 13	.9	1.9	.1															68	68	80	113				
12/ 11	.7	1.4																48	48	66	90				
10/ 9	.8	1.3																50	50	49	54				
8/ 7	.6	.8																32	33	39	73				
6/ 5	.6	.4																22	22	20	60				
4/ 3	.3	.2																11	11	18	39				
2/ 1	.3	.3																14	14	14	39				
0/ -1	.4	.5																20	22	15	35				
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature											Total			
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 64 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

13947  
STATIC

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-43, 47-49, 56-72

DEC  
MONTH

PAGE 4

0300-0500

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
-2/ -3	.1	.0																4	5	11	18			
-4/ -5																					14			
-6/ -7	.4																	4	9	9	13			
-8/ -9	.2																	4	4	4	3			
-10/-11	.1																	2	2	2	3			
-12/-13																					7			
-14/-15																					4			
-16/-17																					2			
-18/-19																					5			
-20/-21																					2			
TOTAL	23.3	52.6	16.3	5.4	2.0	.3	.1											2304	2307	2304	2304			

0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

## PSYCHROMETRIC SUMMARY

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

0600-0800

HOURS (L - S - T)

USAFETAC FORM 0-26.5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 38-49,56-72

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
66/ 65			.0		.0													2	2					
64/ 63			.1	.1				.0										5	5					
62/ 61		.1	.1	.1	.1		.0											12	12	2				
60/ 59			.3	.1	.1	.1	.0		.0	.0								17	17	4	1			
58/ 57		.1	.4	.2	.1	.2		.0	.1									27	27	7	4			
56/ 55		.1	.2	.2	.2	.2	.2	.1	.1									25	25	14	5			
54/ 53		.1	.1	.1	.3	.2	.1	.0										25	25	17	10			
52/ 51		.1	.1	.1	.2	.4	.2											36	36	14	11			
50/ 49	.1	.1	.2	.5	.7	.5	.0											58	58	18	12			
48/ 47	.1	.1	.5	.6	.8	.7	.0											75	75	22	11			
46/ 45	.3	.6	.4	.9	.9	.4	.0											73	93	50	24			
44/ 43	.2	.3	.9	1.6	.9	.2												122	112	61	28			
42/ 41	.3	.6	1.3	1.5	.8	.2												127	123	93	33			
40/ 39	.3	.7	1.9	1.4	.5													126	127	114	49			
38/ 37	.2	1.8	1.9	1.9	.2	.1												162	162	168	46			
36/ 35	.3	2.3	2.8	1.3	.3													184	184	183	84			
34/ 33	.6	3.3	3.0	1.0	.1													207	207	183	133			
32/ 31	.6	3.6	2.5	.7	.1													198	198	268	194			
30/ 29	.6	3.7	2.4	.3														197	190	219	192			
28/ 27	1.6	3.1	1.7	.2														159	158	207	204			
26/ 25	1.2	2.7	1.6	.2														150	150	184	250			
24/ 23	.6	2.4	1.3	.1														119	118	152	194			
22/ 21	.5	2.7	.5															96	96	120	178			
20/ 19	.5	2.7	.9															109	109	114	127			
18/ 17	.4	1.8	.3															71	71	97	142			
16/ 15	.3	1.6	.2															58	58	70	116			
14/ 13	.2	1.2	.0															38	38	58	97			
12/ 11	.2	.9	.0															30	30	37	98			
10/ 9	.3	1.0	.0															36	36	36	64			
8/ 7	.3	.8																28	28	34	53			
6/ 5	.3	.3																15	16	24	72			
4/ 3	.3	.5																23	23	20	34			
2/ 1	.2	.3																11	11	13	47			
0/ -1	.2	.0																5	5	10	21			
Element (X)	ΣX <sup>2</sup>			ΣX		X̄	σ <sub>x</sub>	No. Obs.		Mean No. of Hours with Temperature								Total						
Rel. Hum.										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																								
Wet Bulb																								
Dew Point																								

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

13947  
STATIONFORT RILEY KANSAS/MARSHALL AAF  
STATION NAME38-49,56-72  
YEARSDEC  
MONTHPAGE 2 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
-2/-3	.1	.2																7	7	7	20
-4/-5	.0	.0																2	2	3	13
-6/-7																					17
-8/-9																					11
-10/-11																					3
-12/-13																					7
-14/-15																					4
-16/-17																					1
-18/-19																					2
TOTAL	10,640	0,076	0,13	3	0,0	2,9	.7	.2	.2	.0								2623	2624	2623	2623

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	13870844	186078	71.0	13.932	2622							93
Dry Bulb	3052975	83849	32.0	11.932	2624	.5	47.6					93
Wet Bulb	2480175	75777	28.9	10.535	2623	.7	59.3					93
Dew Point	1747465	60219	23.0	11.758	2623	3.7	76.8					93

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF

38-49,56-72

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
78/ 77													.0					1	1						
76/ 75													.0					1	1						
74/ 73										.0	.0							2	2						
72/ 71											.0	.0	.0					3	3						
70/ 69									.0	.0	.0	.0						4	4						
68/ 67							.0		.1	.0	.1							7	7						
66/ 65				.1	.2	.1	.1	.1	.2	.0	.0							21	21						
64/ 63			.1	.3	.0	.1	.1	.2	.2	.2								30	30						
62/ 61			.1	.2	.1	.3	.2	.2	.3	.2								41	41						
60/ 59			.1	.2	.2	.4	.3	.7	.2	.0								53	53	9					
58/ 57		.2	.2	.2	.2	.5	.8	.5	.4	.1								78	78	16	2				
56/ 55		.1	.2	.2	.4	.8	1.0	.5										86	86	21	14				
54/ 53		.2	.1	.3	.9	1.0	.8	.4										93	93	28	13				
52/ 51	.0	.2	.2	.6	1.3	1.0	.7											105	105	38	14				
50/ 49		.2	.3	.4	1.6	1.2	.6	.0	.0									113	113	44	14				
48/ 47		.3	.0	1.3	1.1	1.1	.5											131	131	76	16				
46/ 45	.0	.3	.4	1.4	1.3	.8	.3											120	126	136	33				
44/ 43	.2	.5	1.1	1.2	1.2	.6	.2											137	137	169	30				
42/ 41	.0	.3	1.0	1.5	.9	.3	.1											109	168	156	56				
40/ 39	.1	.7	1.3	1.3	1.4	.6												139	139	168	57				
38/ 37	.1	1.6	1.4	1.8	.7	.2												150	150	166	73				
36/ 35	.2	1.5	2.1	1.6	.6	.0												157	157	200	144				
34/ 33	.4	2.5	2.3	1.0	.2													166	166	164	145				
32/ 31	.5	3.0	2.0	.9	.3													172	172	239	229				
30/ 29	.2	1.1	1.5	.7	.1	.0												98	96	199	211				
28/ 27	.5	1.8	1.3	.5														106	106	134	166				
26/ 25	.2	1.6	1.6	.2														95	95	115	212				
24/ 23	.3	1.5	1.6	.2														91	93	100	190				
22/ 21	.2	1.8	1.3	.2														87	87	100	172				
20/ 19	.2	1.3	.6	.1														59	59	100	118				
18/ 17	.1	1.0	.2															34	34	68	122				
16/ 15	.2	.7	.5															34	34	45	116				
14/ 13	.0	.7	.3															28	28	28	76				
12/ 11	.0	.6																17	17	30	81				
Element (X)	Σ x'		Σ x		Σ		Σ x		No. Obs.		Mean No. of Hours with Temperature												Total		
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			Total						
Dry Bulb																									
Wet Bulb																									
Dew Point																									

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

1947  
STATION

FORT RILEY KANSAS/MARSHALL AFB  
STATION NAME

38-49, 56-72

YEARS

DEC  
MONTH

PAGE 2

1200-1400  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

DEC  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

13947  
STATION

FOPT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49, 56-72

DEC  
MONTH

PAGE 2 1500-1700

HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



4

## 4

DEC

STATION

STATION NAME

YEARS

MCNTH

PAGE 2

1800-2000  
HOURS (L. S. T.)

USAFETAC  
FORM  
JUL 64  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

DEC

2100-230  
HOURS: 11:30 A.M. - 1:00 P.M.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
64/ 63					.1													2	2					
62/ 61			.2	.1		.0												9	8					
60/ 59	.0	.0	.1	.0	.0													7	7	1				
58/ 57		.1	.0	.2	.2	.1	.0	.1										17	17	9				
56/ 55		.1	.5	.2		.1												22	22	6	6			
54/ 53			.1	.1	.2	.1	.0											13	13	5	9			
52/ 51	.1	.3	.3	.3	.1	.2	.1											34	34	25	5			
50/ 49	.0	.1	.0	.2	.1	.0	.1											16	16	18	16			
48/ 47		.2	.3	.2	.4	.1	.0											32	32	13	19			
46/ 45	.2	.2	.6	.6	.4	.3												59	59	32	17			
44/ 43	.1	.7	1.0	.9	.6	.2												80	80	36	11			
42/ 41	.1	.6	1.5	1.3	.3	.1												94	94	50	30			
40/ 39	.2	.9	1.6	.8	.3	.1												94	94	76	30			
38/ 37	.6	2.1	2.0	1.1	.1													137	137	138	50			
36/ 35	.6	3.0	2.4	.6	.0													157	157	139	85			
34/ 33	.7	3.6	2.0	.7		.0												167	167	186	122			
32/ 31	.9	4.5	1.6	.5	.0													177	177	191	185			
30/ 29	.8	5.8	2.1	.2	.0													206	206	195	176			
28/ 27	1.7	3.5	1.2	.1														152	153	230	131			
26/ 25	1.4	3.6	1.0	.1														147	147	155	211			
24/ 23	1.3	3.0	.7	.0														119	119	166	177			
22/ 21	1.2	3.2	.7															119	119	113	164			
20/ 19	1.2	2.8	.5	.1														108	168	112	118			
18/ 17	.9	2.3	.3															80	81	109	125			
16/ 15	.6	1.8	.2															61	61	72	107			
14/ 13	.6	1.3	.1															48	48	63	106			
12/ 11	.3	1.6																45	45	47	99			
10/ 9	.4	.9																40	40	54	46			
8/ 7	.4	.9																36	31	24	70			
6/ 5	.4	.3																17	17	28	57			
4/ 3	.3	.5																17	17	8	42			
2/ 1	.3	.3																12	13	19	41			
0/ -1	.2																	4	4	7	16			
-2/ -3	.1																	2	3	2	13			
Element (X)	$\Sigma x^2$		$\Sigma x$		$\bar{x}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72

DEC  
MONTH

PAGE 2      2100-2300  
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13947 FORT RILEY KANSAS/MARSHALL AAF 38-50,56-72

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
00-02	MEAN	23.5	28.2	35.9	48.9	58.9	67.9	73.1	71.8	62.6	52.1	38.5	28.5	49.2	
	S D	13.034	10.993	12.346	10.732	9.557	7.304	6.952	7.347	10.043	10.938	11.108	11.407	20.005	
	TOTAL OBS	2309	2021	2285	2242	2273	2139	2219	2271	2247	2322	2250	2298	26876	
03-05	MEAN	22.0	26.4	34.0	46.8	56.6	65.7	70.5	69.2	60.4	50.0	36.9	27.1	47.2	
	S D	13.175	10.976	12.109	10.899	9.568	7.219	6.751	7.097	10.081	10.937	11.140	11.357	19.675	
	TOTAL OBS	2315	2037	2305	2247	2309	2146	2246	2324	2287	2361	2259	2309	27145	
06-08	MEAN	21.4	25.4	33.9	48.2	59.4	68.5	73.1	71.1	61.7	50.6	36.4	26.5	47.9	
	S D	13.127	10.809	11.869	10.634	9.397	7.367	6.741	7.261	10.122	10.932	10.908	11.515	20.737	
	TOTAL OBS	2487	2284	2510	2446	2479	2246	2461	2517	2476	2554	2503	2549	29512	
09-11	MEAN	20.6	21.5	31.7	46.8	67.9	76.2	82.1	80.4	71.5	61.0	43.8	32.0	55.9	
	S D	13.265	11.450	13.453	10.980	9.908	8.224	7.405	7.975	10.276	10.920	10.947	11.935	22.082	
	TOTAL OBS	2511	2282	2507	2456	2496	2253	2462	2542	2514	2598	2543	2624	29786	
12-14	MEAN	33.3	38.2	48.3	62.6	73.0	81.2	87.6	86.3	77.6	68.2	50.7	38.6	62.1	
	S D	14.053	12.765	14.848	12.099	10.697	8.676	8.077	8.702	10.961	11.681	11.887	13.083	22.149	
	TOTAL OBS	2517	2278	2498	2447	2480	2238	2453	2550	2520	2588	2541	2610	29720	
15-17	MEAN	34.2	39.7	50.0	63.9	74.0	82.2	88.7	87.3	78.3	68.3	50.4	38.7	62.8	
	S D	14.137	13.171	15.333	12.142	10.528	8.569	8.099	8.560	10.926	11.637	11.786	12.876	22.233	
	TOTAL OBS	2510	2275	2491	2397	2430	2196	2412	2508	2497	2588	2532	2601	29435	
18-20	MEAN	28.3	34.3	44.4	58.7	69.0	77.4	83.1	80.8	71.0	59.7	43.5	32.7	56.7	
	S D	12.649	11.361	13.831	11.065	9.725	7.854	7.578	7.901	10.184	10.830	10.646	11.503	21.617	
	TOTAL OBS	2355	2119	2325	2289	2329	2101	2224	2329	2339	2407	2358	2392	27567	
21-23	MEAN	25.3	30.4	39.0	52.4	62.6	71.1	76.4	74.6	65.3	54.6	40.0	29.7	51.6	
	S D	12.649	10.861	12.543	10.543	9.329	7.282	6.914	7.471	9.955	10.870	10.853	11.526	20.392	
	TOTAL OBS	2314	2094	2304	2274	2288	2121	2223	2235	2271	2345	2302	2337	27128	
ALL HOURS	MEAN	26.9	31.9	41.0	54.9	65.3	73.8	79.5	77.9	68.8	58.3	42.7	31.9	54.3	
	S D	14.056	12.635	14.609	12.794	11.675	9.831	9.855	10.241	12.298	13.139	12.384	12.771	21.942	
	TOTAL OBS	19318	17390	19225	18796	19084	17438	18700	19296	19151	19763	19288	19720	227169	

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-50,56-72  
YEARS

HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	21.9	26.1	32.6	44.3	54.7	63.7	67.2	66.0	58.0	48.1	35.6	26.6	45.4
	S D	12.374	10.070	10.739	9.345	8.529	6.055	5.250	5.577	8.544	9.652	10.034	10.358	18.276
	TOTAL OBS	2278	2020	2279	2236	2272	2130	2219	2271	2244	2322	2248	2291	26810
03-05	MEAN	20.7	24.7	31.2	43.0	53.2	62.3	65.8	64.7	56.7	46.7	34.5	25.4	44.2
	S D	12.513	10.183	10.758	9.759	8.807	6.185	5.352	5.740	8.939	9.919	10.228	10.475	18.330
	TOTAL OBS	2282	2033	2302	2241	2303	2134	2246	2324	2284	2361	2256	2304	27070
06-08	MEAN	20.1	23.7	31.1	44.0	55.0	64.0	67.2	65.8	57.5	47.1	34.1	24.9	44.5
	S D	12.554	10.202	10.587	9.635	8.472	6.060	5.102	5.695	8.907	9.855	10.103	10.694	19.015
	TOTAL OBS	2452	2264	2509	2439	2474	2244	2401	2516	2475	2548	2500	2542	29444
09-11	MEAN	24.1	28.3	36.3	48.9	59.1	67.4	70.9	69.6	62.3	52.8	39.0	28.9	40.7
	S D	12.140	10.040	10.801	8.994	8.184	6.011	4.724	5.285	7.935	8.780	9.436	10.535	18.642
	TOTAL OBS	2404	2281	2507	2431	2496	2253	2462	2541	2514	2598	2528	2623	29748
12-14	MEAN	29.0	32.9	40.1	51.5	61.2	69.2	72.3	71.1	64.3	55.9	42.8	33.3	51.9
	S D	12.015	10.132	10.740	8.818	8.140	5.998	4.742	5.156	7.722	8.547	9.310	10.538	17.568
	TOTAL OBS	2490	2277	2498	2444	2480	2237	2453	2520	2518	2588	2540	2610	29685
15-17	MEAN	29.7	33.9	41.0	52.1	61.6	69.5	72.6	71.3	64.4	55.8	42.6	33.5	52.1
	S D	11.989	10.196	10.718	8.570	7.817	5.820	4.676	4.995	7.545	8.475	9.233	10.341	17.378
	TOTAL OBS	2484	2274	2491	2396	2430	2191	2412	2508	2494	2588	2532	2601	29401
18-20	MEAN	25.6	30.5	38.0	49.6	59.9	68.1	71.3	69.5	61.9	52.3	38.8	29.6	49.5
	S D	11.598	9.659	10.625	8.535	7.697	5.754	4.718	5.167	7.772	8.815	9.299	10.106	18.092
	TOTAL OBS	2334	2119	2323	2286	2329	2099	2224	2329	2336	2407	2358	2392	27536
21-23	MEAN	23.4	27.8	34.8	46.5	57.0	65.6	68.8	67.2	59.3	49.6	36.5	27.5	46.9
	S D	11.874	9.740	10.533	8.922	8.050	5.883	4.996	5.467	8.165	9.293	9.664	10.376	18.190
	TOTAL OBS	2287	2094	2301	2271	2288	2121	2223	2255	2269	2345	2302	2331	27087
ALL HOURS	MEAN	24.4	28.6	35.7	47.5	57.8	66.3	69.6	68.2	60.6	51.1	38.1	28.8	48.0
	S D	12.601	10.619	11.245	9.661	8.740	6.484	5.509	5.896	8.689	9.815	10.184	10.889	18.434
	TOTAL OBS	19091	17382	19210	18764	19072	17409	18700	19294	19134	19757	19274	19694	226781

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13947 FORT RILEY KANSAS/MARSHALL AAF 38-50,56-72

STATION		STATION NAME												YEARS
HRS (LST)		JAN	FEB	MAR	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	17.0	21.3	27.3	39.3	51.5	61.4	64.2	62.9	54.9	44.4	31.3	22.1	41.5
	S D	14.286	11.488	11.691	10.546	9.278	6.367	5.880	6.289	9.149	10.468	11.023	11.605	19.494
	TOTAL OBS	2278	2020	2279	2336	2271	2130	2219	2271	2244	2322	2248	2291	26809
03-05	MEAN	16.0	20.2	26.4	38.8	50.5	60.4	63.3	62.2	54.2	43.4	30.7	21.2	40.7
	S D	14.451	11.593	11.783	10.783	9.505	6.460	5.845	6.226	9.414	10.625	11.119	11.693	19.588
	TOTAL OBS	2282	2033	2302	2241	2303	2134	2246	2324	2284	2360	2256	2304	27069
06-08	MEAN	15.5	19.3	26.3	39.5	51.5	61.5	64.2	63.0	54.6	43.7	30.4	20.6	40.8
	S D	14.408	11.781	11.653	10.910	9.370	6.422	5.666	6.133	9.527	10.553	11.080	11.984	20.107
	TOTAL OBS	2449	2284	2509	2439	2474	2244	2461	2516	2475	2548	2500	2542	29441
09-11	MEAN	14.5	21.5	28.5	41.0	53.0	62.5	65.5	64.5	55.5	45.5	32.5	23.0	42.5
	S D	14.135	11.626	11.812	11.298	10.055	6.876	5.841	6.294	9.477	10.598	10.898	11.798	19.799
	TOTAL OBS	2484	2281	2507	2451	2496	2253	2461	2541	2514	2598	2537	2623	29746
12-14	MEAN	20.6	24.0	29.4	41.0	53.1	63.1	65.2	63.8	56.1	45.7	33.3	24.8	43.3
	S D	13.722	11.478	11.602	11.520	10.513	7.242	6.326	6.582	9.875	11.162	11.029	11.652	19.109
	TOTAL OBS	2490	2278	2498	2444	2480	2237	2493	2550	2518	2588	2540	2610	29686
15-17	MEAN	21.2	24.3	29.6	40.9	53.2	63.0	65.0	63.5	55.8	45.5	33.1	25.1	43.2
	S D	13.642	11.618	11.489	11.351	10.358	7.254	6.515	6.612	9.815	11.230	11.135	11.580	18.911
	TOTAL OBS	2484	2274	2491	2396	2430	2191	2412	2508	2494	2588	2532	2601	29401
18-20	MEAN	19.5	23.4	29.2	40.7	53.6	63.4	65.7	63.9	56.1	45.9	32.5	23.7	43.0
	S D	13.523	11.428	11.671	11.047	9.657	6.825	6.148	6.539	9.315	10.539	10.869	11.429	19.327
	TOTAL OBS	2334	2119	2323	2286	2329	2099	2224	2329	2336	2407	2358	2392	27536
21-23	MEAN	18.2	22.3	28.5	40.3	53.0	62.7	65.1	63.4	55.4	45.0	31.6	22.7	42.2
	S D	13.747	11.303	11.567	10.572	9.095	6.409	5.950	6.390	9.044	10.367	10.864	11.593	19.420
	TOTAL OBS	2287	2094	2301	2271	2288	2121	2223	2255	2269	2345	2302	2331	27087
ALL HOURS	MEAN	18.3	22.1	28.1	40.2	52.4	62.3	64.8	63.4	55.5	44.9	32.0	22.9	42.2
	S D	14.124	11.663	11.724	11.046	9.804	6.815	6.075	6.416	9.497	10.744	11.054	11.761	19.497
	TOTAL OBS	19088	17383	19210	18764	19071	17409	18699	19294	19134	19756	19273	19694	226775



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-50,56-72

PERIOD

ALL  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	99.9	98.9	95.9	87.8	74.4	56.6	36.0	14.8	71.9	19086
FEB		100.0	99.6	97.4	92.3	83.4	70.7	54.0	34.4	13.9	70.0	17378
MAR		100.0	98.5	93.7	84.7	73.6	58.5	42.8	26.1	10.8	64.4	19206
APR		100.0	98.4	92.4	81.4	68.1	54.0	38.8	23.0	8.6	62.1	18763
MAY		100.0	99.6	96.9	88.9	76.9	62.1	46.1	29.4	10.9	66.7	19070
JUN		100.0	100.0	98.9	95.0	84.6	68.9	51.6	32.4	11.2	69.0	17407
JUL		100.0	99.9	97.1	88.8	74.5	56.9	39.9	23.2	6.9	64.3	18686
AUG		100.0	99.9	97.4	88.1	73.3	57.2	40.8	25.1	8.3	64.7	19289
SEP		100.0	99.4	95.8	87.9	76.0	61.7	46.9	31.0	12.6	66.8	19131
OCT		100.0	99.4	94.3	84.6	73.1	59.4	45.5	30.4	14.7	65.8	19749
NOV		100.0	99.9	97.8	90.9	80.4	67.5	51.1	32.5	13.2	68.9	19272
DEC		100.0	99.8	98.4	94.4	87.1	74.9	58.5	37.7	15.9	72.0	19690
TOTALS		100.0	99.5	96.6	89.4	78.2	63.9	47.7	30.1	11.8	67.3	226727

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DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

13947  
STATIONFORT RILEY KANSAS/MARSHALL AAF  
STATION NAME39-50.57-72  
PERIODJAN  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	99.4	95.5	86.1	70.4	48.2	20.8	77.4	2278
	03-05	100.0	100.0	99.8	99.6	96.0	86.4	73.5	50.7	21.8	78.4	2282
	06-08	100.0	100.0	100.0	99.1	96.3	88.8	74.6	51.0	21.5	78.5	2449
	09-11	100.0	100.0	99.6	97.3	89.0	74.2	52.8	31.3	12.6	71.3	2484
	12-14	100.0	99.6	97.1	88.9	71.4	49.4	30.5	17.4	7.7	61.8	2490
	15-17	100.0	99.5	95.7	87.3	71.5	50.6	31.1	16.9	6.5	61.5	2484
	18-20	100.0	100.0	99.3	97.1	88.6	74.7	53.8	30.7	11.0	71.0	2334
	21-23	100.0	100.0	99.9	98.7	93.8	83.1	66.1	42.1	16.1	75.5	2285
TOTALS		100.0	99.9	98.9	95.9	87.8	74.4	56.6	36.0	14.8	71.9	19086

4 DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

13947 FORT RILEY KANSAS/MARSHALL AAF  
STATION STATION NAME

39-45, 47-50, 56-72  
PERIOD

FEB  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	99.7	98.3	94.7	83.2	68.8	46.7	18.6	76.5	2020
	03-05	100.0	100.0	99.9	98.9	95.8	88.3	74.6	50.7	20.6	78.3	2032
	06-08	100.0	100.0	99.9	98.8	96.5	89.5	75.6	50.5	20.6	78.6	2283
	09-11	100.0	100.0	98.7	94.8	86.3	68.8	48.3	27.5	10.4	69.0	2280
	12-14	100.0	99.1	93.0	83.0	64.4	47.0	30.1	17.8	7.3	59.6	2276
	15-17	100.0	97.6	91.1	76.3	60.7	44.6	28.7	17.1	7.1	57.8	2274
	18-20	100.0	99.7	96.8	91.5	78.5	63.6	45.9	26.5	11.5	66.9	2119
	21-23	100.0	100.0	99.4	96.7	90.4	78.8	60.3	38.5	15.1	73.3	2094
TOTALS		100.0	99.6	97.4	92.3	83.4	70.7	54.0	34.4	13.9	70.0	17378

4

## RELATIVE HUMIDITY

HAR

STATION

STATION NAME

PERIOD

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%.		
MAR	00-02	100.0	100.0	99.5	96.3	89.6	76.0	58.8	37.8	14.7	72.7	2279
	03-05	100.0	100.0	99.7	97.6	92.5	81.2	65.1	43.0	17.7	75.2	2300
	06-08	100.0	100.0	99.8	98.4	92.2	81.2	64.4	41.6	16.7	75.0	2508
	09-11	100.0	99.6	96.1	86.6	70.8	51.8	33.6	18.0	7.8	62.0	2507
	12-14	100.0	96.2	85.3	65.9	49.6	33.1	20.3	11.0	5.4	52.3	2498
	15-17	100.0	94.1	79.5	61.5	45.7	30.5	19.5	11.0	5.5	50.3	2490
	18-20	100.0	98.3	91.6	78.5	64.1	47.1	31.7	17.9	7.6	59.2	2323
	21-23	100.0	99.7	98.0	93.0	84.0	66.9	48.7	27.3	11.3	68.4	2301
TOTALS		100.0	98.5	93.7	84.7	73.6	58.5	42.8	26.1	10.8	64.4	19206

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DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

13947 FORT RILEY KANSAS/MARSHALL AAF  
STATION STATION NAME

39-45, 47-50, 56-72  
PERIOD

APR  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	99.9	99.3	95.9	87.7	73.4	56.4	33.9	13.2	71.6	2235
	03-05	100.0	99.9	99.7	98.4	92.4	82.2	65.5	43.8	18.3	75.7	2241
	06-08	100.0	99.9	99.6	97.6	91.7	80.5	60.8	37.0	13.5	73.7	2439
	09-11	100.0	99.3	93.8	81.2	63.4	44.8	27.3	14.9	4.0	58.5	2451
	12-14	100.0	96.0	81.3	60.5	41.1	27.2	17.6	10.0	3.7	49.3	2444
	15-17	100.0	94.2	76.9	54.0	36.8	24.9	15.9	9.5	3.9	47.2	2396
	18-20	100.0	98.6	89.8	71.7	53.6	37.8	23.7	13.1	4.5	54.8	2286
	21-23	100.0	99.7	93.4	91.5	78.4	60.8	43.3	21.9	7.7	65.8	2271
TOTALS		100.0	98.4	92.4	81.4	68.1	54.0	38.8	23.0	8.6	62.1	18763

4

## RELATIVE HUMIDITY

MAY  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	99.8	99.3	95.5	86.3	71.4	49.9	19.7	77.8	2271
	03-05	100.0	100.0	100.0	99.6	97.1	91.0	78.5	58.2	27.4	81.1	2303
	06-08	100.0	100.0	100.0	98.9	95.2	85.7	67.8	43.3	15.6	76.4	2474
	09-11	100.0	99.9	97.6	89.0	71.5	48.4	30.1	15.3	4.3	61.2	2496
	12-14	100.0	98.7	91.6	72.7	50.0	30.3	17.1	8.9	2.3	52.8	2480
	15-17	100.0	98.5	89.5	68.4	46.1	27.4	16.3	8.6	2.4	51.3	2430
	18-20	100.0	99.7	96.5	86.0	69.1	48.8	29.2	15.7	4.8	60.5	2328
	21-23	100.0	100.0	99.8	97.6	90.7	78.5	58.7	35.1	10.9	72.7	2288
TOTALS		100.0	99.6	96.9	88.9	76.9	62.1	46.1	29.4	10.9	66.7	19070

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

13947 FORT RILEY KANSAS/MARSHALL AAF

STATION

STATION NAME

39-45,47-49,56-72

PERIOD

JUN

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	99.8	97.7	93.8	81.0	55.5	20.6	80.7	2130
	03-05	100.0	100.0	100.0	99.7	98.5	95.6	88.1	66.7	30.5	83.8	2134
	06-08	100.0	100.0	100.0	99.6	97.9	92.9	78.0	51.5	16.1	79.4	2243
	09-11	100.0	100.0	99.3	95.7	83.0	59.7	34.0	15.9	3.5	64.8	2253
	12-14	100.0	99.9	97.0	87.3	62.9	34.4	16.0	7.2	1.5	56.1	2236
	15-17	100.0	100.0	95.5	83.9	56.9	29.7	14.8	7.3	1.7	54.5	2191
	18-20	100.0	100.0	99.0	94.6	81.3	57.6	32.9	15.4	3.9	63.9	2099
	21-23	100.0	100.0	100.0	99.0	96.9	87.7	67.7	39.4	11.9	75.9	2121
TOTALS		100.0	100.0	98.9	95.0	84.6	68.9	51.6	32.4	11.2	69.9	17407

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4 DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

13947 FORT RILEY KANSAS/MARSHALL AAF  
STATION STATION NAME

38-49, 56-72

PERIOD

AUG  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	99.7	98.2	92.8	81.2	63.5	43.0	14.6	75.3	2271
	03-05	100.0	100.0	100.0	99.6	97.2	88.7	75.0	54.4	23.1	79.7	2324
	06-08	100.0	100.0	100.0	99.6	97.0	86.5	67.6	44.9	15.7	76.9	2516
	09-11	100.0	100.0	99.0	91.3	70.5	45.9	23.8	11.2	2.9	60.0	2341
	12-14	100.0	99.7	92.9	69.4	40.2	21.3	9.8	4.5	1.2	49.4	2349
	15-17	100.0	99.5	90.0	63.6	35.1	18.3	8.7	3.4	.6	47.4	2304
	18-20	100.0	99.9	98.1	87.1	66.3	43.3	24.5	9.8	1.5	58.6	2329
	21-23	100.0	100.0	99.8	96.1	86.9	72.2	53.3	29.4	6.8	70.1	2255
TOTALS		100.0	99.9	97.4	88.1	73.3	57.2	40.8	25.1	8.3	64.7	19289

4  
DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72

PERIOD

SEP  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	99.2	97.7	94.6	86.5	70.9	47.9	21.5	77.7	2243
	03-05	100.0	100.0	99.6	98.9	96.1	90.6	79.3	60.3	30.0	81.4	2284
	06-08	100.0	100.0	99.6	98.5	95.5	88.0	74.4	53.2	22.5	79.1	2475
	09-11	100.0	99.8	97.2	89.5	72.3	49.4	30.5	17.3	4.9	61.7	2514
	12-14	100.0	98.5	88.9	68.1	43.0	26.0	16.0	8.3	2.5	50.6	2518
	15-17	100.0	98.0	86.9	64.9	40.7	23.6	13.6	7.8	2.5	49.3	2492
	18-20	100.0	99.3	96.3	89.0	74.8	52.7	33.0	17.2	5.0	62.2	2336
	21-23	100.0	99.9	98.6	96.4	90.6	76.5	57.4	35.8	11.8	72.4	2269
TOTALS		100.0	99.4	95.8	87.9	76.0	61.7	46.9	31.0	12.6	66.8	19131

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

13947 FORT RILEY KANSAS/MARSHALL AAF  
STATION STATION NAME

38-49,56-72  
PERIOD

OCT  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L S.T)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	99.4	97.3	92.4	82.2	67.5	47.3	24.0	76.9	2321
	03-05	100.0	100.0	99.7	98.2	95.6	87.1	73.6	55.0	31.4	79.9	2360
	06-08	100.0	100.0	99.8	98.3	94.7	86.3	72.4	51.2	25.7	78.7	2548
	09-11	100.0	99.7	96.1	85.5	66.4	46.5	29.6	16.1	6.3	60.2	2594
	12-14	100.0	97.9	82.8	57.4	37.2	22.5	14.2	9.1	3.4	47.9	2588
	15-17	100.0	97.6	81.0	57.0	36.3	21.2	14.3	8.5	3.5	47.5	2588
	18-20	100.0	99.8	96.6	87.5	74.0	54.9	34.8	18.7	6.8	63.0	2406
	21-23	100.0	99.9	99.0	95.3	87.8	74.6	57.2	37.6	16.8	72.4	2344
TOTALS		100.0	99.4	94.3	84.6	73.1	59.4	45.5	30.4	14.7	65.8	19749

4  
DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

13947 FORT RILEY KANSAS/MARSHALL AAF  
STATION STATION NAME

38-49,56-72  
PERIOD

NOV  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	99.6	98.2	94.6	84.2	69.0	46.3	19.7	76.6	2248
	03-05	100.0	100.0	99.9	99.4	96.7	89.6	73.5	52.0	24.1	79.1	2256
	06-08	100.0	100.0	99.9	99.3	97.5	91.1	77.0	53.8	22.4	79.6	2500
	09-11	100.0	100.0	99.1	93.9	81.3	63.4	42.5	23.1	7.6	66.7	2536
	12-14	100.0	99.6	93.5	73.3	50.4	33.0	19.8	11.3	4.1	54.0	2540
	15-17	100.0	99.4	92.1	71.6	52.2	35.4	22.2	11.8	4.7	54.6	2532
	18-20	100.0	100.0	99.2	93.8	81.2	63.5	43.9	23.8	8.3	67.0	2358
	21-23	100.0	100.0	99.3	97.3	90.1	79.6	60.9	37.6	14.5	73.4	2302
TOTALS		100.0	99.9	97.8	90.9	80.4	67.5	51.1	32.5	13.2	68.9	19272

4 DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

13947  
STATION

FORT KILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72

PERIOD

DEC  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	99.8	99.0	94.7	87.1	72.8	49.1	21.3	77.8	2291
	03-05	100.0	100.0	99.9	99.3	97.3	89.7	75.1	53.0	24.2	79.1	2303
	06-08	100.0	100.0	99.9	99.3	97.8	90.6	76.3	52.5	22.9	77.2	2542
	09-11	100.0	99.9	99.5	96.6	89.1	73.1	52.5	31.4	13.7	71.0	2622
	12-14	100.0	99.3	95.2	83.9	67.6	48.5	31.3	17.5	7.3	60.5	2608
	15-17	100.0	98.9	94.2	83.0	68.5	51.8	34.9	19.4	7.6	61.3	2601
	18-20	100.0	99.9	99.2	95.7	87.9	74.2	56.2	34.1	12.8	71.4	2392
	21-23	100.0	100.0	99.7	98.1	93.6	84.3	68.8	44.4	17.2	76.0	2331
TOTALS		100.0	99.8	98.4	94.4	87.1	74.9	58.5	37.7	15.9	72.0	19690

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART F

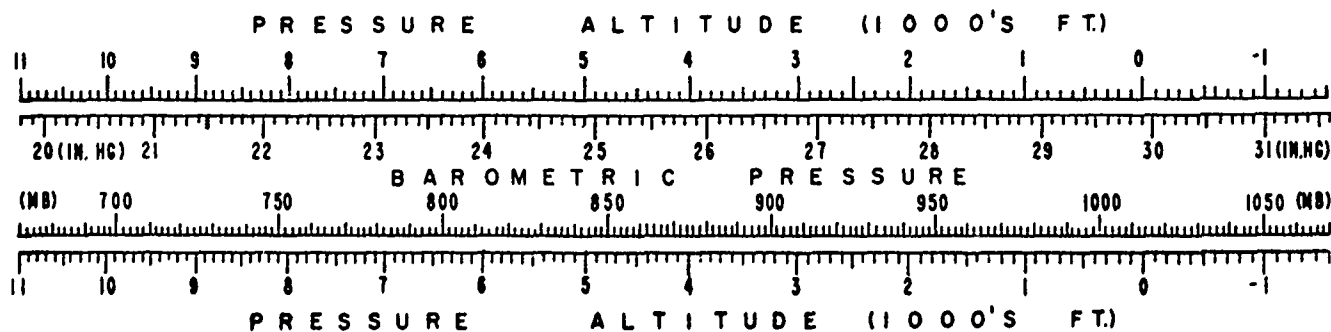
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.  
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.  
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

13947 FORT RILEY KANSAS/MARSHALL AAF 46-50,56-63,65-72

STATION		STATION NAME												YEARS											
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN.	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
00	MEAN	28.986	28.943	28.861	28.809	28.795	28.773	28.829	28.838	28.868	28.878	28.903	28.939	28.870											
	S D	.249	.240	.244	.225	.181	.140	.108	.112	.155	.192	.236	.239	.210											
	TOTAL OBS	524	446	490	475	479	443	464	509	510	526	510	527	5905											
03	MEAN	28.984	28.941	28.851	28.799	28.789	28.768	28.826	28.837	28.869	28.879	28.899	28.938	28.867											
	S D	.256	.242	.248	.235	.187	.142	.108	.111	.157	.196	.240	.242	.214											
	TOTAL OBS	524	447	494	475	480	449	463	510	510	527	510	527	5916											
06	MEAN	28.971	28.940	28.859	28.812	28.817	28.786	28.851	28.856	28.884	28.887	28.904	28.934	28.877											
	S D	.263	.241	.249	.244	.184	.143	.115	.113	.159	.198	.242	.246	.214											
	TOTAL OBS	565	521	561	541	548	484	539	576	563	577	571	581	6627											
09	MEAN	28.997	28.969	28.883	28.833	28.832	28.802	28.866	28.872	28.903	28.910	28.930	28.957	28.898											
	S D	.265	.240	.253	.248	.186	.145	.115	.115	.165	.202	.246	.248	.217											
	TOTAL OBS	563	504	559	546	554	485	542	585	568	592	584	606	6688											
12	MEAN	28.990	28.963	28.868	28.817	28.818	28.789	28.853	28.857	28.884	28.889	28.914	28.947	28.884											
	S D	.268	.239	.255	.240	.183	.144	.114	.115	.163	.200	.246	.247	.217											
	TOTAL OBS	564	502	552	543	546	480	537	586	570	578	575	607	6640											
15	MEAN	28.938	28.907	28.820	28.776	28.779	28.756	28.820	28.818	28.839	28.840	28.870	28.903	28.840											
	S D	.259	.237	.249	.232	.179	.143	.114	.115	.158	.194	.238	.245	.211											
	TOTAL OBS	560	504	556	542	550	481	540	581	571	587	577	603	6652											
18	MEAN	28.959	28.909	28.811	28.765	28.753	28.731	28.783	28.793	28.828	28.845	28.881	28.914	28.834											
	S D	.247	.236	.244	.226	.175	.143	.109	.116	.155	.192	.229	.238	.211											
	TOTAL OBS	527	474	507	489	497	438	460	529	529	545	536	552	6083											
21	MEAN	28.960	28.935	28.847	28.795	28.781	28.752	28.805	28.818	28.859	28.872	28.901	28.932	28.859											
	S D	.248	.234	.238	.221	.172	.141	.110	.116	.155	.192	.230	.238	.209											
	TOTAL OBS	524	472	496	488	497	436	463	518	532	546	537	546	6055											
ALL HOURS	MEAN	28.975	28.938	28.850	28.801	28.797	28.770	28.831	28.837	28.867	28.875	28.900	28.933	28.866											
	S D	.258	.239	.248	.235	.183	.144	.115	.116	.160	.197	.239	.243	.214											
	TOTAL OBS	4351	3870	4215	4099	4151	3698	4008	4394	4353	4478	4400	4549	50566											

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

13947 FORT RILEY KANSAS/MARSHALL AAF 38-50,56-72

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG.	SEP	OCT	NOV	DEC	ANNUAL	
00	MEAN S D TOTAL OBS	1021.9 9.246 771	1020.0 8.718 674	1016.9 8.858 757	1014.3 8.221 747	1013.5 6.588 756	1012.3 5.332 700	1014.2 3.971 740	1014.2 4.134 757	1016.0 5.691 749	1017.1 7.046 774	1018.7 8.787 750	1020.2 8.733 766	1016.6 7.900 8941	
03	MEAN S D TOTAL OBS	1021.8 9.465 771	1019.8 8.812 674	1016.6 8.966 742	1014.0 8.527 745	1013.2 6.725 756	1012.1 5.426 701	1014.1 3.923 741	1014.1 4.142 757	1015.9 5.756 749	1017.1 7.134 774	1018.6 8.944 749	1020.1 8.828 765	1016.5 8.024 8944	
06	MEAN S D TOTAL OBS	1021.5 9.643 811	1019.9 8.836 761	1017.0 9.032 824	1014.5 8.785 790	1014.1 6.755 799	1012.9 5.452 715	1014.9 4.106 797	1014.9 4.198 821	1016.6 5.834 800	1017.6 7.239 824	1018.5 8.992 816	1020.0 8.898 819	1016.9 8.002 9571	
09	MEAN S D TOTAL OBS	1022.3 9.714 840	1021.0 8.836 754	1017.8 9.123 812	1015.2 8.897 780	1014.5 6.770 807	1013.4 5.556 717	1015.4 4.154 803	1015.5 4.248 844	1017.3 5.966 837	1018.4 7.250 871	1019.8 9.131 852	1021.0 8.902 874	1017.7 8.122 9869	
12	MEAN S D TOTAL OBS	1021.8 9.730 841	1020.7 8.739 728	1017.2 9.211 801	1014.5 8.666 795	1014.0 6.678 799	1012.9 5.463 716	1014.9 4.106 801	1014.8 4.284 848	1016.5 5.909 840	1017.5 7.221 857	1018.9 9.086 845	1020.4 8.939 877	1017.1 8.081 9748	
15	MEAN S. D. TOTAL OBS	1020.1 9.502 838	1018.8 8.649 730	1015.4 9.035 805	1013.1 8.402 793	1012.7 6.522 805	1011.8 5.388 715	1013.7 4.103 804	1013.4 4.281 842	1014.9 5.768 840	1015.7 7.023 865	1017.5 8.816 847	1018.9 8.800 871	1015.5 7.881 9755	
18	MEAN S. D. TOTAL OBS	1020.9 9.220 805	1018.8 8.569 721	1015.3 8.867 784	1012.9 8.178 761	1012.0 6.402 773	1011.0 5.325 692	1012.6 3.954 740	1012.7 4.258 791	1014.6 5.686 798	1016.0 6.963 823	1018.1 8.519 803	1019.5 8.605 822	1015.4 7.942 9313	
21	MEAN S. D TOTAL OBS	1021.9 9.204 772	1019.7 8.548 698	1016.5 8.700 767	1014.0 8.100 762	1013.0 6.306 774	1011.8 5.321 689	1013.4 3.944 742	1013.6 4.265 767	1015.7 5.697 776	1016.9 7.036 794	1018.8 8.533 777	1020.1 8.665 785	1016.3 7.889 9097	
ALL HOURS	MEAN S. D. TOTAL OBS	1021.5 9.491 8449	1019.8 8.742 5749	1016.6 9.010 6112	1014.1 8.508 6191	1013.4 6.639 6269	1012.3 5.455 5645	1014.2 4.125 6168	1014.2 4.312 6427	1015.9 5.849 6383	1017.0 7.159 6582	1018.6 8.877 6433	1020.0 8.815 6579	1016.5 8.014 75178	